

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Maps of anomalous trace metals in rocks and
stream-sediment pebbles of the
Wiseman 1° x 3° quadrangle, Brooks Range, Alaska

By

John B. Cathraill¹, John T. Dillon², and Barbara Chazin¹

Open-File Report 84-161-B

¹U.S. Geological Survey

²Alaska Department of Natural Resources, Division of Geological and
Geophysical Surveys

This report is one of a series of geochemical reports (having the same open-file report number) concerning the Wiseman 1° x 3° quadrangle, Brooks Range, Alaska.

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply or constitute endorsement by the USGS.

CONTENTS

	Page
Introduction.....	1
Trace element content of rocks and pebbles.....	1
Anomalous samples.....	2
Explanation for tables 3 and 4.....	2
References cited.....	2

TABLES

Table 1. Criteria for determining anomalous abundance of selected metallic and associated elements in rock samples of the Wiseman quadrangle, Brooks Range, Alaska.....	4
Table 2. Criteria for determining anomalous abundances of selected metallic and associated elements in stream-sediment-pebble samples of the Wiseman quadrangle, Brooks Range, Alaska.....	5
Table 3. Analytical data for selected metallic and associated elements in anomalous rock samples, Wiseman quadrangle, Brooks Range Alaska.....	6
Table 4. Analytical data for selected metallic and associated elements in anomalous stream-sediment-pebble samples, Wiseman quadrangle, Brooks Range, Alaska.....	24

ILLUSTRATIONS

Plate 1. Map showing anomalous trace metals in rock samples, Wiseman 1° x 3° quadrangle, Brooks Range, Alaska.....	in pocket
Plate 2. Map showing anomalous trace metals in stream-sediment-pebble samples, Wiseman 1° x 3° quadrangle, Brooks Range, Alaska.....	in pocket

INTRODUCTION

This report summarizes trace element data for 886 rock samples collected from outcrop and 575 stream-sediment-pebble samples collected from drainages in the Wiseman quadrangle, Alaska from 1977 to 1982. More specifically the report depicts the sites at which anomalous concentrations of the common metallic and associated elements occur in these samples. This work is part of a multidisciplinary study of the Wiseman quadrangle Alaska Mineral Resource Assessment Program (AMRAP).

The objectives of this part of the geochemical investigation are to (1) furnish anomalous trace-element data for interpretation of stream sediment and nonmagnetic heavy-mineral-concentrate samples from stream sediments, collected as a separate part of the program, and for interpretation of similar samples that may be collected in the future, (2) directly identify mineralized rocks, and (3) aid in the interpretation of the metallogeny of the quadrangle, in particular, the establishment of geochemical associations of the mineralization and thus suggest possibilities for undiscovered types of mineralization.

It should be emphasized that the work is generally reconnaissance in scope and is neither detailed nor exhaustive, particularly with respect to sampling and/or searching for mineralization.

For a discussion of sample description, collection methods, media selection, sample preparation, and analytical techniques see O'Leary and others (1984), and Dillon and others (1981).

Trace Element Content of Rocks and Pebbles

The trace elements contained in rocks and pebbles¹ collected from the Wiseman quadrangle can be conveniently divided into three groups.

In the first group are elements of potential economic significance that occur above the lower limit of analytical detection and that vary markedly in abundance in different rock lithologies. These elements are (as determined spectrographically) Ba, Cu, and Pb, and Zn by atomic absorption analyses.

In the second group are elements of less economic significance that occur above the lower limit of spectrographic detection but which vary relatively little in relation to crustal abundance among different rock lithologies. These elements do not seem to relate directly to identified deposits and are not generally anomalous in terms of the average crustal abundance of the elements that might be expected in the different rock lithologies. These elements are Be, B, Co, Cr, La, Nb, Ni, Sc, Sr, V, Y, and Zr.

The elements in the third group are commonly associated with mineral deposits, but the analytical level of detection by spectrographic methods is so high that nearly all reported values are statistically significant. These elements are Ag, Au, As, Bi, Cd, Mo, Sb, Sn, W, and Hg. Spectrographically determined Zn values are an exception.

¹A general term for roundish, waterworn rock fragment having a size between that of a small pea and that of a tennis ball.

Anomalous Samples

Anomalous rock and pebble sample sites shown on plates 1 and 2 and the analytical results listed in tables 3 and 4 are defined by the criteria listed in tables 1 and 2.

The threshold anomaly values listed in tables 1 and 2 were determined by inspection of histograms and percentile tables created from the analytical data retrieved from the U.S. Geological Survey computer-based file RASS (Rock Analysis Storage System) (VanTrump and Miesch, 1976). These histograms and percentiles are combined with consideration of the (1) average crustal abundance of those elements expected in the different geochemical rock lithologies (following Levinson, 1974; and Kraushopf, 1967) and (2) threshold values established in adjoining quadrangles having the same lithologies (Philip Smith Mountains--Reiser and others, 1983; Survey Pass--Cathrall and others, 1979a,b; and Chandalar--Reiser and others, 1979). The threshold values for the elements in the aggregate population of samples analyzed generally range from the 92nd to the 98th percentile. Note that different values were sometimes used for the same element because of more than one analytical technique. Although there is a marked tendency for these values on a given sample to agree with one another, there are exceptions that can be attributed to the different methods of sample analysis.

The elements in the second group (Be, B, Co, Cr, La, Nb, Ni, Sc, Sr, V, Y, Zr) are not present in anomalous amounts. They show little variation within the area; also, their variability is small when compared to the average crustal abundance for the various rock lithologies in the quadrangle.

Explanation for Tables 3 and 4

The data listed in tables 3 and 4 are arranged so that column one contains the sample number; latitude and longitude are given in degrees, minutes, and seconds. The data set is divided into 24 subsets. Each of these subsets contain all anomalous samples found in any one of the specific 1:63,360 quadrangles (D6-D1, C6-C1, B6-B1, A6-A1) that make up the 1:250,000 Wiseman quadrangle. Map numbers were assigned to sample sites in each subset and in turn keyed to Plates 1 and 2. Descriptions for the rock samples from the C3-C6, B3-B6 quadrangles can be found in Dillon and others (1981).

All element concentration values are in parts per million; S, semiquantitative spectrographic analysis; AA, atomic absorption analysis; N, analyzed but not detected at the limits of analytical determination; <, detected but below the limit of analytical determination shown; >, determined to be greater than the value shown; --, no data available; anomalous values are underlined. For a discussion of analytical techniques see O'Leary and others (1984).

REFERENCES CITED

- Cathrall, J. B., Cooley, E. F., O'Leary, R. M., Billings, T. M., and McDaniel, S. K., 1979a, A listing and statistical summary of spectrographic and chemical analyses of stream-sediment samples from the Survey Pass quadrangle, Alaska: U.S. Geological Survey Open-File Report 79-837A, 55 p., 1 pl.

- Cathrall, J. B., Cooley, E. F., McDanal, S. K., and Billings, T. M., 1979b, A listing and statistical summary of spectrographic analyses of heavy-mineral concentrates from stream-sediment samples for the Survey Pass quadrangle, Alaska: U.S. Geological Survey Open-File Report 79-837B, 52 p., 1 pl.
- Dillon, J. T., Moorman, M. A., and Lueck, Larry, 1981, Geochemical reconnaissance of the southwest Wiseman quadrangle; Summary of Data on Rock Samples: State of Alaska Department of Natural Resources Division of Geological and Geophysical Surveys, Open-File Report 133B, 164 p. 1 pl.
- Kraushopf, K. B., 1967, Introduction to geochemistry: McGraw-Hill Publishing Co., New York, New York.
- Levinson, A. A., 1974, Introduction to exploration geochemistry: Applied Publ. Ltd, Calgary, Alberta, 612 p.
- O'Leary, R. M., Hoffman, J. D., Sutley, S. J., and Lewis, J. S., 1984, Analytical and sample locality maps of stream sediments, heavy-mineral concentrate, pebble, and rock samples from the Wiseman quadrangle, Alaska: U.S. Geological Survey Open-File report 84-161A, 398 p., 3 pl.
- Reiser, H. N., Brosge, W. P., Hamilton, T. D., Singer, D. A., Menzie, II, W. D., Bird, K. J., Cady, J. W., Le Compte, J. R., and Cathrall, J. B., 1983, The Alaska Mineral Resource Assessment Program: Guide to information contained in folio of geologic and mineral resource maps of the Philip Smith Mountains quadrangle, Alaska: U.S. Geological Survey Circular 759, 22 p.
- Reiser, H. N., Brosge, W. P., De Young, Jr., J. H., Marsh, S. P., Hamilton, T. D., Cady, J. W., and Albert, N. R. D., 1979, The Alaskan Mineral Resource Assessment Program: Guide to information contained in folio of geologic and mineral resource maps of the Chandalar quadrangle, Alaska: U.S. Geological Survey Circular 758, 23 p.
- VanTrump, George, Jr., and Miesch, A. T., 1976, The U.S. Geological Survey RASS-STATPAC system for management and statistical reduction of geochemical data: Computers and Geosciences, v. 3, p. 475-488.

Table 1.--Criteria for determining anomalous abundances of selected metallic and associated elements in rock samples of the Wiseman quadrangle, Brooks Range, Alaska

[All values in parts per million (ppm); S = semiquantitative emission spectrographic analyses; AA = atomic absorption analyses]

Method of Analysis	Element	Threshold of Anomaly	Lower limit of Determination
Group I			
S	Ba	3,000	20
S	Cu	200	5
AA	Cu	200	5
S	Pb	100	10
AA	Pb	100	5
S	Zn	200	200
AA	Zn	180	5
Group II			
S	Be	None anomalous	1
S	B	--do--	10
S	Co	--do--	5
S	Cr	--do--	10
S	La	--do--	20
S	Nb	--do--	20
S	Ni	--do--	5
S	Sc	--do--	5
S	Sr	--do--	100
S	V	--do--	10
S	Y	--do--	10
S	Zr	--do--	10
Group III			
S	Ag	1	0.5
AA	Ag	1	.05
S	Au	>10	10
AA	Au	0.05	0.05
S	As	>200	200
AA	Bi	50	5
S	Bi	>10	10
AA	Bi	3	1
S	Cd	>20	20
AA	Cd	1.5	0.1
S	Mo	10	5
AA	Mo	15	1
S	Sb	>100	100
AA	Sb	10	2
S	Sn	10	10
S	W	>50	50
Inst	Hg	.1	0.02

Table 2.--Criteria for determining anomalous abundances of selected metallic and associated elements in stream-sediment-pebble samples of the Wiseman quadrangle, Brooks Range, Alaska

[All values in parts per million (ppm); S = semiquantitative emission spectrographic analyses; AA = atomic absorption analyses]

Method of Analysis	Element	Threshold of Anomaly	Lower limit of Determination
Group I			
S	Ba	3,000	20
S	Cu	150	5
S	Pb	100	10
S	Zn	200	200
AA	Zn	200	5
Group II			
S	Be	None anomalous	1
S	B	--do--	10
S	Co	--do--	5
S	Cr	--do--	10
S	La	--do--	20
S	Nb	--do--	20
S	Ni	--do--	5
S	Sc	--do--	5
S	Sr	--do--	100
S	V	--do--	10
S	Y	--do--	10
S	Zr	--do--	10
Group III			
S	Ag	1	0.5
AA	Au	0.05	0.05
S	As	200	200
AA	As	50	5
S	Bi	>10	10
AA	Bi	1	1
S	Cd	20	20
AA	Cd	1.5	0.1
S	Mo	10	5
S	Sb	>100	100
AA	Sb	10	2
S	Sn	>10	10
S	W	50	50
Inst	Hg	.1	0.02

TABLE 3.--Analytical data for selected metallic and associated elements in anomalous rock samples,
Wiseman quadrangle, Brooks Range, Alaska

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown]

Map No.	Sample	Latitude	Longitude	Cu-ppm S	Cu-ppm AR	Pb-ppm S	Pb-ppm AR	Zn-ppm S	Zn-ppm AR	Cd-ppm S	Cd-ppm AR	Ra-ppm S	Ag-ppm S	Ag-ppm AR
D-6 QUADRANGLE														
1	20458	67 59 18	152 56 57	20	--	20	--	N	45.0	N	.50	100	.5	--
D-5 QUADRANGLE														
1	81ABE16	67 53 43	152 15 44	20	--	70	--	N	5.0	N	N	150	<u>2.0</u>	--
D-3 QUADRANGLE														
1	81ABE48	67 46 23	151 22 32	30	--	<10	--	N	160.0	N	.05	>5,000	N	--
2	81ABE49A	67 46 12	151 15 24	100	--	N	--	200	70.0	N	.35	<u>700</u>	N	--
3	2259A	67 46 10	151 5 34	30	--	<10	--	<u>1,000</u>	<u>1,400.0</u>	N	1.00	150	<.5	--
3	2259B	67 46 10	151 5 34	<5	--	20	--	N	15.0	N	N	700	<u>1.0</u>	--
4	2218B	67 45 59	151 9 43	100	--	10	--	<u>300</u>	--	<20	--	70	<.5	--
4	2218A	67 45 59	151 9 43	10	--	<10	--	300	<u>240.0</u>	N	<u>1.70</u>	500	N	--
5	2217	67 45 59	151 9 27	20	--	<10	--	<u>300</u>	<u>240.0</u>	N	.80	100	.7	--
6	2220	67 45 34	151 11 52	10	--	<10	--	N	40.0	N	.30	1,000	<u>1.0</u>	--
7	81ABE45	67 45 32	151 24 14	30	--	N	--	N	40.0	N	.15	>5,000	N	--
7	81ABE45A	67 45 32	151 24 14	30	--	N	--	<u>1,000</u>	<u>1,200.0</u>	30	<u>21.00</u>	>5,000	N	--
8	2208	67 45 23	151 0 9	10	--	N	--	200	<u>180.0</u>	N	<u>1.70</u>	<20	<.5	--
9	2228	67 45 22	151 12 46	10	--	20	--	N	60.0	N	.20	500	<u>1.0</u>	--
10	2210	67 45 19	151 0 36	<5	--	<10	--	N	30.0	N	.30	150	.5	--
10	2210A	67 45 19	151 0 36	<5	--	N	--	N	15.0	N	.10	150	N	--
11	2209	67 45 19	151 0 19	30	--	10	--	<200	<u>230.0</u>	N	<u>2.80</u>	20	<.5	--
12	81ABE53	67 45 2	151 14 13	30	--	15	--	N	120.0	N	.20	700	<u>2.0</u>	--
D-2 QUADRANGLE														
1	2223A	67 53 51	150 30 59	30	--	<10	--	<200	<u>180.0</u>	N	1.20	200	.5	--
2	82ABE338	67 52 43	150 41 21	50	--	10	--	300	<u>190.0</u>	N	<u>1.70</u>	1,500	.5	--
3	2240	67 51 11	150 33 55	20	--	100	--	N	40.0	N	.40	150	N	--
4	2257	67 51 1	150 32 17	<u>200</u>	--	30	--	N	30.0	N	.10	150	<.5	--
5	2123	67 45 38	150 59 36	10	--	<10	--	200	<u>180.0</u>	N	.70	500	<.5	--
6	2206	67 45 25	150 59 31	30	--	10	--	N	45.0	N	.30	200	<u>2.0</u>	--
6	2205A	67 45 25	150 59 31	30	--	<u>100</u>	--	<u>1,500</u>	<u>1,800.0</u>	30	<u>17.00</u>	150	N	--
6	2206B	67 45 25	150 59 31	50	--	<10	--	N	70.0	N	.50	100	<u>1.5</u>	--
7	2207	67 45 21	150 59 47	<u>300</u>	--	30	--	N	<u>190.0</u>	N	<u>2.30</u>	<20	<u>1.5</u>	--
D-1 QUADRANGLE														
1	2255	67 56 59	150 23 23	10	--	N	--	N	25.0	N	.10	<u>5,000</u>	N	--
2	2252	67 56 16	150 29 18	15	--	<u>100</u>	--	N	100.0	N	.30	30	N	--
3	2225	67 53 16	150 29 5	10	--	<10	--	N	<u>190.0</u>	N	.90	150	<.5	--
4	2055A	67 51 37	150 13 15	70	--	10	--	N	75.0	N	.20	1,000	<u>1.0</u>	--
4	2055B	67 51 37	150 13 15	70	--	20	--	N	65.0	N	.30	1,000	<u>1.5</u>	--

TABLE 3.--Continued

Map No.	Sample	Au-ppm S	Au-ppm aa	As-ppm S	Chem-as	Sb-ppm S	Sb-ppm aa	Bi-ppm S	Bi-ppm aa	Hg-ppm inst	Sn-ppm S	W-ppm S	Mo-ppm S	Po-ppm aa
D-6 QUADRANGLE--Continued														
1	20458	N	N	N	<u>85</u>	N	8	N	--	--	N	N	N	--
D-5 QUADRANGLE--Continued														
1	81ABE16	N	<.05	N	35	N	7	N	1	--	N	N	5	--
D-3 QUADRANGLE--Continued														
1	81ABE48	N	N	N	25	N	4	N	N	--	N	N	<u>50</u>	--
2	81ABE49A	N	N	N	15	N	N	N	N	<.02	N	N	<u>10</u>	--
3	2259A	N	N	N	--	N	--	N	N	.06	N	N	<u>10</u>	--
3	2259B	N	N	N	--	N	--	N	N	.28	N	N	<u>7</u>	--
4	2218B	N	<u>520.00</u>	N	--	N	7	N	--	--	N	N	<u>7</u>	--
4	2218A	N	N	N	--	N	--	N	N	.02	N	N	<u>10</u>	--
5	2217	N	N	N	--	N	--	N	N	.06	N	N	<u>10</u>	--
6	2223	N	N	N	--	N	--	N	N	.08	N	N	<5	--
7	81ABE45	N	N	N	10	N	N	N	N	--	N	N	<u>10</u>	--
7	81ABE45A	N	N	N	10	N	N	N	N	--	N	N	<u>10</u>	--
8	2208	N	N	N	--	N	--	N	N	<.02	N	N	<u>10</u>	--
9	2228	N	N	N	--	N	--	N	N	.48	N	N	<u>30</u>	--
10	2210	N	N	<200	--	N	--	N	N	.04	N	N	<u>10</u>	--
10	2210A	N	N	N	<u>380</u>	<u>200</u>	--	N	N	.04	N	N	<u>10</u>	--
11	2209	N	N	N	--	N	--	N	N	<.02	N	N	<u>10</u>	--
12	81ABE53	N	N	N	20	N	7	N	--	.08	N	N	<u>20</u>	--
D-2 QUADRANGLE--Continued														
1	2223A	N	N	N	--	N	--	N	N	.28	N	N	<u>10</u>	--
2	82ABE338	N	N	N	10	N	N	N	N	.20	N	N	<u>10</u>	--
3	2240	N	N	N	--	N	--	N	N	.02	N	N	<u>10</u>	--
4	2257	N	N	N	--	N	--	N	N	<.02	N	N	<5	--
5	2123	N	N	N	--	N	--	N	N	.10	N	N	<u>7</u>	--
6	2206	N	N	N	--	N	--	N	N	.28	N	N	<u>20</u>	--
6	2206A	N	N	N	--	N	--	N	N	.04	N	N	<u>10</u>	--
6	2205B	N	N	N	--	N	--	N	N	.20	N	N	<u>15</u>	--
7	2207	N	N	N	--	<u>200</u>	--	N	N	.02	N	N	<u>10</u>	--
D-1 QUADRANGLE--Continued														
1	2255	N	N	N	--	N	--	N	N	.06	N	N	<u>10</u>	--
2	2252	N	N	N	--	N	--	N	N	.18	N	N	<u>10</u>	--
3	2225	N	N	N	--	N	--	N	N	.10	N	N	<u>5</u>	--
4	2055A	N	N	N	--	N	--	N	N	.10	N	N	<u>10</u>	--
4	2055B	N	N	N	--	N	--	N	N	.10	N	N	<5	--

TABLE 3.--Continued

Map Sample No.	Latitude	Longitude	Cu-ppm S	Cu-ppm aa	Pb-ppm S	Pb-ppm aa	Zn-ppm S	Zn-ppm aa	Cd-ppm S	Cd-ppm aa	Ba-ppm S	Ag-ppm S	Ag-ppm aa
D-1 QUADRANGLE--Continued													
C-6 QUADRANGLE													
4	2055C	67 51 37	150 13 15	--	10	--	N	240.0	N	.10	200		--
4	2055D	67 51 37	150 13 15	--	<10	--	N	95.0	N	<.10	1,000		--
4	2055E	67 51 37	150 13 15	--	20	--	200	100.0	N	.20	150		--
5	82ABE213	67 45 8	150 4 29	--	10	--	N	55.0	N	1.40	30		--
C-5 QUADRANGLE													
1	1925	67 40 57	152 7 23	--	10	--	N	40.0	N	.70	20		--
2	2013C	67 38 30	152 25 55	--	10	--	200	250.0	N	2.10	500		--
3	2018A	67 37 58	152 27 35	--	10	--	<200	260.0	N	.90	500		--
4	2020A	67 37 53	152 28 56	--	N	--	300	350.0	<20	3.30	200		--
5	479	67 37 50	152 14 27	--	--	--	--	288.0	--	--	--		.2
6	533	67 35 15	152 14 9	--	--	--	--	--	--	--	--		--
7	304	67 33 40	152 0 3	--	N	--	N	5.0	N	--	100		--
8	368	67 33 39	152 18 8	--	100	--	<200	130.0	N	--	500		--
9	284	67 32 48	152 2 26	--	20	--	<200	20.0	N	--	200		--
10	84	67 32 26	152 4 7	--	<10	--	N	85.0	N	--	200		--
11	536	67 31 57	152 18 13	--	--	--	--	--	--	--	--		--
12	517	67 31 41	152 19 6	--	235	--	--	--	--	--	--		.8
13	307	67 31 34	152 1 45	--	50	--	1,500	50.0	N	--	50		--
14	518	67 30 55	152 18 33	--	668,000	--	--	--	--	--	--		21.7
15	108	67 30 48	152 18 4	--	100	--	N	15.0	N	--	<20		--
C-4 QUADRANGLE													
1	82ABE229	67 38 27	151 38 33	--	N	--	200	100.0	N	N	2,000		--
2	353	67 37 33	151 39 7	--	30	--	N	60.0	N	--	3,000		--
3	272	67 37 9	151 54 37	--	20	--	N	120.0	N	--	1,000		--
4	271	67 36 46	151 54 20	--	30	--	N	160.0	N	--	100		--
5	348	67 36 30	151 54 20	--	N	--	N	20.0	N	--	70		--
6	82TH508C	67 36 27	151 42 10	--	20	--	N	45.0	N	7.90	3,000		--
7	239	67 36 24	151 53 26	--	10	--	<200	120.0	N	1.10	500		--
8	82TH49AC	67 35 46	151 42 39	--	30	--	N	15.0	N	1.10	3,000		--
9	81ABE80B	67 35 43	151 52 52	--	N	--	N	70.0	N	.15	1,000		--
10	244	67 35 35	151 53 24	--	<10	--	<200	90.0	N	--	100		--
11	245	67 35 31	151 53 35	--	<10	--	500	35.0	N	--	1,500		--
12	246	67 35 30	151 54 18	--	20	--	<200	200.0	N	--	300		--
13	350	67 35 17	151 41 2	--	10	--	500	N	N	--	3,000		--
14	82ABE242	67 35 17	151 33 55	--	N	--	N	20.0	N	<.10	>5,000		--
15	266	67 35 14	151 37 32	--	N	--	<200	60.0	N	--	5,000		--
16	347	67 35 6	151 38 20	--	N	--	N	35.0	N	--	300		--
17	82ABE241	67 35 0	151 34 47	--	N	--	<200	130.0	N	.30	>5,000		--
18	82ADU78C	67 34 39	151 31 16	--	N	--	N	100.0	N	.70	3,000		--

TABLE 3.--Continued

MSP NO.	Sample	Au-ppm B	Au-ppm aa	As-ppm S	Chem-ss	Sb-ppm S	Sb-ppm ad	Bi-ppm S	Bi-ppm ab	Hg-ppm Inst	Sn-ppm S	W-ppm S	Mo-ppm S	Mo-ppm ac
D-1 QUADRANGLE--Continued														
4	2055C	N	N	N	--	N	--	N	N	<u>.16</u>	N	N	N	--
4	2055D	N	N	N	--	N	--	N	N	<u>.22</u>	N	N	N	--
4	2055E	N	N	N	--	N	--	N	N	<u>.10</u>	N	N	N	--
5	82ABE213	N	N	N	N	N	N	N	N	--	N	N	N	--
C-6 QUADRANGLE--Continued														
1	81ABE101	N	N	N	20	N	<2	N	N	--	N	N	N	--
2	2263	N	N	N	<5	N	N	N	N	--	N	N	N	--
3	82ABE326	N	N	N	N	N	N	N	N	--	N	N	N	--
C-5 QUADRANGLE--Continued														
1	1925	N	N	N	<u>60</u>	N	N	N	N	--	N	N	N	--
2	2013C	N	N	N	<u>10</u>	N	7	N	N	--	N	N	N	--
3	2018A	N	N	N	20	N	<u>20</u>	N	N	--	N	N	N	--
4	2020A	N	N	N	5	N	<u>N</u>	N	N	--	N	N	N	--
5	679	--	N	--	<u>237</u>	--	<u>34</u>	--	--	--	--	--	--	<u>18</u>
6	533	--	--	--	--	--	--	<u>20</u>	--	--	--	--	--	--
7	304	N	N	N	20	N	--	N	N	--	N	N	N	--
8	368	N	N	N	<10	N	--	N	N	--	N	N	N	--
9	284	N	N	N	20	N	--	N	N	--	N	N	N	--
10	84	N	N	N	--	N	--	N	N	--	N	N	N	--
11	536	--	--	--	--	--	--	<u>20</u>	--	--	--	--	--	--
12	517	--	--	--	--	--	--	--	--	--	--	--	--	--
13	307	N	N	N	10	N	--	N	N	--	N	N	N	--
14	518	--	--	--	--	--	--	--	--	--	--	--	--	--
15	108	N	N	N	--	N	--	N	N	--	N	N	N	--
C-4 QUADRANGLE--Continued														
1	82ABE229	N	N	N	N	N	N	N	N	--	N	N	N	--
2	353	N	N	N	10	N	--	N	N	--	N	N	N	--
3	272	N	N	N	20	N	--	N	N	--	N	N	N	--
4	271	N	N	N	<10	N	--	<u>10</u>	--	--	N	N	N	--
5	348	N	N	N	20	N	--	N	N	--	N	N	N	--
6	82TR508C	N	N	N	35	N	N	N	N	--	N	N	N	--
7	239	N	N	N	<10	N	--	N	N	--	N	N	N	--
8	82TR49AC	N	N	N	20	N	N	N	N	--	N	N	N	--
9	81ABE808	N	N	N	20	N	N	N	N	--	N	N	N	--
10	244	N	N	N	<10	N	--	<10	--	--	N	N	N	--
11	245	N	N	N	10	N	--	N	N	--	N	N	N	--
12	246	N	N	N	10	N	--	N	N	--	N	N	N	--
13	350	N	N	N	20	N	--	N	N	--	N	N	N	--
14	82ABE282	N	N	N	N	N	N	N	N	--	N	N	N	--
15	266	N	N	N	30	N	--	N	N	--	N	N	N	--
16	347	N	N	N	30	N	--	N	N	--	N	N	N	--
17	82ABE2M1	N	N	N	5	N	<u>10</u>	N	N	--	N	N	N	--
18	82ADU78C	N	N	N	<u>55</u>	N	<u>6</u>	N	N	--	N	N	N	--

TABLE 3.--Continued

Map No.	Sample	Latitude	Longitude	Cu-ppm s	Cu-ppm aa	Pb-ppm s	Pb-ppm aa	Zn-ppm s	Zn-ppm aa	Cd-ppm s	Cd-ppm aa	Hg-ppm s	Ag-ppm s	Ag-ppm aa
C-4 QUADRANGLE--Continued														
21	105	67 33 28	151 34 59	<u>300</u>	--	20	--	N	60.0	N	--	200	N	--
22	106	67 33 11	151 34 32	<u>200</u>	--	20	--	<200	70.0	N	--	300	N	--
23	261	67 31 59	151 45 14	<u>70</u>	--	20	--	N	40.0	N	--	300	<u>1.5</u>	--
24	486	67 31 27	151 33 12	--	--	--	--	--	--	--	--	--	--	<u>1.1</u>
25	493	67 31 19	151 35 4	<u>10,000</u>	<u>9,700</u>	<u>2,000</u>	<u>2,400</u>	<u>1,000</u>	<u>1,000.0</u>	--	--	--	--	<u>31.0</u>
26	10	67 31 13	151 57 17	<u>1,500</u>	--	50	--	N	20.0	N	--	500	N	--
27	11	67 31 9	151 57 22	<u>10,000</u>	--	10	--	<200	110.0	N	--	100	<.5	--
28	1787	67 30 54	151 32 11	<u>10</u>	--	<10	--	N	20.0	N	N	200	N	--
29	9	67 30 36	151 55 55	<u>50</u>	--	<u>100</u>	--	<200	30.0	N	--	700	N	--
30	238	67 30 13	151 58 24	<u>300</u>	--	15	--	N	160.0	N	--	50	N	--
C-3 QUADRANGLE														
1	2227	67 44 59	151 14 13	30	--	N	--	N	25.0	N	.10	1,000	<u>1.0</u>	--
2	81ABE51B	67 44 38	151 26 45	20	--	15	--	<u>700</u>	<u>750.0</u>	<20	<u>6.00</u>	<u>>5,000</u>	<.5	--
3	82ABE282	67 43 16	151 1 27	5	--	10	--	N	15.0	N	<.10	500	<u>1.0</u>	--
4	2258A	67 43 14	151 1 34	5	--	<10	--	N	10.0	N	.10	200	<u>2.0</u>	--
4	2258E	67 43 14	151 1 34	50	--	N	--	<u>500</u>	<u>330.0</u>	<20	<u>4.40</u>	500	<u>.5</u>	--
4	2258F	67 43 14	151 1 34	5	--	<10	--	N	5.0	N	<.10	200	<u>1.0</u>	--
5	2250	67 42 6	151 8 13	20	--	<10	--	N	35.0	N	.10	150	<u>1.0</u>	--
6	81ABE63	67 38 20	151 10 56	10	--	N	--	N	<u>180.0</u>	N	.20	1,000	N	--
7	82ABE217	67 36 27	151 22 32	50	--	N	--	N	70.0	N	<.10	<u>3,000</u>	N	--
8	82ABE252	67 34 12	151 9 41	50	--	20	--	<u>200</u>	145.0	N	.30	700	N	--
9	264	67 32 55	151 22 16	20	--	70	--	<200	40.0	N	--	1,000	<u>1.0</u>	--
10	82TM51AG	67 32 41	151 11 7	<u>500</u>	--	N	--	<u>200</u>	60.0	N	.30	50	N	--
11	53	67 32 30	151 27 33	50	--	20	--	<200	20.0	N	--	150	N	--
12	82ABE256	67 32 22	151 12 42	30	--	30	--	<u>200</u>	160.0	N	.90	2,000	N	--
13	481	67 32 9	151 29 31	<u>2,000</u>	<u>2,700</u>	--	--	--	--	--	--	--	--	<u>3.1</u>
14	82TM53CG	67 30 48	151 10 44	30	--	10	--	<u>500</u>	65.0	N	.30	200	N	--
14	82TM53RG	67 30 48	151 10 44	100	--	10	--	<u>300</u>	95.0	N	.30	50	N	--
C-2 QUADRANGLE														
1	81ABE65D	67 44 48	150 44 22	50	--	<10	--	<u>200</u>	<5.0	N	.45	100	N	--
2	82ABE316	67 43 48	150 46 42	100	--	N	--	<u>300</u>	170.0	N	.40	200	N	--
3	81ABE75D	67 37 21	150 32 5	30	--	50	--	N	70.0	N	.45	2,000	<u>1.0</u>	--
4	82ABE302	67 32 43	150 32 52	150	--	<u>100</u>	--	<200	<u>250.0</u>	N	.10	20	N	--
5	82ABE302	67 32 35	150 32 46	7	--	<u>150</u>	--	N	15.0	N	<.10	100	<u>1.0</u>	--
6	82ABE302	67 32 25	150 32 46	150	--	<u>500</u>	--	<u>1,000</u>	240.0	N	.30	50	.5	--
C-1 QUADRANGLE														
1	2039H	67 43 40	150 10 14	10	--	<10	--	N	60.0	N	.20	1,500	<u>2.0</u>	--
2	2039D	67 43 34	150 9 58	20	--	15	--	N	150.0	N	<u>1.80</u>	1,000	.7	--
2	2039F	67 43 34	150 9 58	30	--	15	--	N	<u>180.0</u>	N	.70	1,000	.7	--
2	2039I	67 43 34	150 9 58	20	--	N	--	<u>500</u>	75.0	<20	1.00	200	N	--
3	82ABE322	67 40 5	150 28 14	100	--	N	--	<200	100.0	N	.10	<u>3,000</u>	N	--

TABLE 3.--Continued

Map No.	Sample	Au-ppm S	Au-ppm aa	As-ppm S	Chem-as	Sb-ppm S	Sb-ppm aa	Bi-ppm S	Bi-ppm aa	Hg-ppm Inst	Sn-ppm S	U-ppm S	Mo-ppm S	Mo-ppm aa
C-4 QUADRANGLE--Continued														
21	105	N	--	N	--	N	--	N	--	--	N	N	N	--
22	106	N	--	N	--	N	--	N	--	--	N	N	N	--
23	261	N	--	N	10	N	--	N	--	--	N	N	N	--
24	486	--	--	--	--	--	--	--	--	--	--	--	5	--
25	493	--	.52	500	--	10,000	--	20	--	--	--	--	10	--
26	10	N	--	N	--	N	--	N	--	--	N	N	N	--
27	11	N	--	N	--	N	--	N	--	--	N	N	N	--
28	1787	N	.25	<200	75	N	6	N	--	--	N	N	30	--
29	9	N	--	N	--	N	--	N	--	--	N	N	N	--
30	238	N	--	N	20	N	--	N	--	--	N	N	N	--

C-3 QUADRANGLE--Continued														
1	2227	N	N	N	--	N	--	N	--	.26	N	N	N	15
2	81ABE51B	N	N	N	5	N	3	N	--	--	N	N	N	N
3	82ABE282	N	N	N	N	N	6	N	--	.82	N	N	N	10
4	7258A	N	N	N	--	N	--	N	--	.28	N	N	N	15
4	2258E	N	N	N	--	N	--	N	--	.02	N	N	N	N
4	2258F	N	N	N	--	N	--	N	--	.16	N	N	N	20
5	2259	N	N	N	--	N	--	N	--	.12	N	N	N	15
6	81ABE63	N	N	N	10	N	N	N	1	--	N	N	N	N
8	82ABE217	N	N	N	5	N	6	N	--	--	N	N	N	30
8	82ABE252	N	N	N	N	N	N	N	--	--	N	N	N	N
9	264	N	--	N	30	N	--	N	--	--	N	N	N	N
10	82TH51AC	N	N	N	10	N	N	N	N	--	N	N	N	N
11	53	N	--	<200	--	N	--	N	--	--	N	N	N	N
12	82ABE256	N	N	N	N	N	N	N	--	--	N	N	N	N
13	4R1	--	.14	--	--	--	--	--	--	--	--	--	5	--
14	82TH53CG	N	N	N	5	N	N	N	N	--	N	N	N	N
14	82TH53DG	N	N	N	10	N	N	N	N	--	N	N	N	N

C-2 QUADRANGLE--Continued														
1	81ABE65D	N	N	N	10	N	N	N	N	--	N	N	N	N
2	82ABE316	N	N	N	5	N	3	N	--	--	N	N	N	N
3	81ABE75D	N	N	N	30	N	10	N	--	--	N	N	N	70
4	82ABE302	N	N	N	N	200	210	N	6	--	N	N	N	N
5	82ABE302	N	N	N	N	N	12	N	3	--	N	N	N	N
6	82ABE302	N	N	N	N	1,000	N	N	8	--	N	N	N	N

C-1 QUADRANGLE--Continued														
1	2039H	N	N	N	10	N	3	N	--	--	N	N	N	20
2	2039D	N	N	N	100	N	9	N	--	--	N	N	N	10
2	2039E	N	N	N	40	N	7	N	--	--	N	N	N	10
2	2039I	N	N	N	15	N	<2	N	--	--	N	N	N	N
3	82ABE322	N	N	N	5	N	2	N	N	--	N	N	N	N

TABLE 3.--Continued

Map No.	Sample	Latitude	Longitude	Cu-ppm s	Cu-ppm aa	Pb-ppm s	Pb-ppm aa	Zn-ppm s	Zn-ppm aa	Cd-ppm s	Cd-ppm aa	Ra-ppm s	Ag-ppm s	Ag-ppm aa
C-1 QUADRANGLE--Continued														
4	82A8E319	67 37 34	150 15 4	50	--	20	--	200	700.0	N	3.40	3,000	.7	--
5	1140	67 30 59	150 6 57	50	--	X	--	N	40.0	N	.20	150	N	--
B-6 QUADRANGLE														
1	1804A	67 28 51	152 38 22	<5	--	<10	--	N	<5.0	N	N	1,000	<.5	--
1	1804B	67 28 51	152 38 22	20	--	15	--	N	10.0	N	<.10	500	N	--
1	1804C	67 28 51	152 38 22	15	--	<10	--	N	25.0	N	<.10	30	1.0	--
2	515	67 27 29	152 43 15	--	550	--	104	--	253.0	--	--	--	--	2.6
3	290	67 27 21	152 51 35	5	--	50	--	N	30.0	N	--	300	1.5	--
4	516	67 26 22	152 39 29	--	--	--	--	--	--	--	--	--	--	1.7
5	55	67 25 32	152 50 55	50	--	50	--	500	350.0	N	--	50	N	1.8
6	511	67 25 21	152 38 23	--	--	--	--	--	--	--	--	--	--	--
7	171	67 25 19	152 54 54	20	--	50	--	N	5.0	N	--	>5,000	1.0	--
8	57	67 24 46	152 52 28	100	--	20	--	500	20.0	N	--	70	<.5	--
9	56	67 24 44	152 52 6	30	--	100	--	200	5.0	N	--	300	N	--
10	224	67 24 24	152 45 56	5,000	--	20	--	1,500	340.0	N	--	N	20.0	--
11	288	67 24 18	152 45 56	200	--	20	--	1,500	100.0	N	--	50	2.0	--
12	225	67 24 2	152 45 18	5,000	--	20	--	2,000	3,000.0	100	--	20	7.0	--
13	480	67 23 53	152 50 36	--	330	--	38,266	--	18,317.0	--	--	--	--	37.7
14	415	67 23 43	152 48 33	--	--	100	--	--	--	--	--	--	--	--
15	286	67 22 39	152 31 31	5	--	100	--	N	15.0	N	--	1,000	N	--
16	230	67 22 2	152 39 7	30	--	10	--	N	40.0	N	--	300	N	--
17	228	67 21 9	152 39 16	>20,000	--	10	--	N	--	N	--	100	100.0	--
18	54	67 21 21	152 58 9	200	--	150	--	N	30.0	N	--	500	N	--
19	338	67 20 21	152 49 39	20	--	<10	--	300	60.0	N	--	700	N	--
19	339	67 20 21	152 49 39	20	--	<10	--	200	120.0	N	--	50	N	--
20	294	67 19 48	152 40 50	10	--	70	--	<200	180.0	N	--	300	N	--
21	299	67 19 38	152 40 38	300	--	50	--	<200	35.0	N	--	700	N	--
22	340	67 19 36	152 49 41	20	--	10	--	200	85.0	N	--	1,000	N	--
23	384	67 19 34	152 52 52	200	--	N	--	N	55.0	N	--	200	N	--
24	282	67 19 28	152 35 3	5	--	300	--	300	220.0	N	--	200	N	--
25	296	67 19 18	152 35 7	15	--	30	--	<200	55.0	N	--	500	N	--
26	297	67 19 2	152 34 13	50	--	30	--	500	160.0	N	--	700	N	--
27	218	67 18 51	152 55 18	500	--	10,000	--	>10,000	40,000.0	200	--	500	100.0	--
27	219	67 18 51	152 55 18	10	--	300	--	<200	110.0	200	--	700	<.5	--
27	220	67 18 51	152 55 18	200	--	1,500	--	500	100.0	N	--	1,000	20.0	--
28	236	67 18 9	152 47 48	200	--	10	--	<200	75.0	N	--	3,000	N	--
29	302	67 17 4	152 35 42	300	--	15	--	N	50.0	N	--	200	N	--
30	179	67 17 0	152 55 10	70	--	30	--	200	60.0	N	--	1,000	N	--

TABLE 3.--Continued

MBP No.	Sample	AU-DDP B	AU-DDP aa	AS-DDP S	Chem-as	Sb-DDP B	Sb-DDP aa	BI-DDP B	BI-DDP aa	Hg-DDP Inst	Sa-DDP S	H-DDP B	Mo-DDP B	Bi-DDP aa
4	82A8E319	N	N	N	N	N	300	N	N	--	N	N	N	N
5	1140	N	N	N	80	N	10	N	N	.06	N	N	N	N
C-1 QUADRANGLE--Continued														
1	1804A	N	N	200	110	N	?	N	N	--	N	N	N	N
1	1804B	N	N	1,000	1,200	N	<2	N	N	--	N	N	N	N
1	1804C	N	N	<200	210	N	4	N	N	--	N	N	N	N
2	515	--	--	--	--	--	21	--	--	--	--	200	--	--
3	299	N	--	N	20	N	--	N	N	--	20	N	<5	--
4	516	--	--	--	--	--	22	--	--	--	100	N	--	--
5	55	N	--	N	--	N	--	N	N	--	70	N	N	--
6	511	--	--	--	--	--	22	--	--	--	200	N	N	--
7	171	N	--	N	--	N	--	N	N	--	N	N	N	--
8	57	N	--	N	--	N	--	N	N	--	N	N	N	--
9	56	N	--	N	--	N	--	N	N	--	N	N	N	--
10	224	N	--	N	60	N	--	200	N	--	700	N	N	--
11	288	N	--	N	60	N	--	70	N	--	150	N	N	--
12	225	N	--	N	60	N	--	200	N	--	1,000	N	N	--
13	680	--	1,22	--	130,000	--	315	--	--	--	--	--	--	--
B-6 QUADRANGLE--Continued														
14	615	--	--	--	--	--	--	--	--	--	--	--	--	--
15	286	N	--	N	10	N	--	N	N	--	N	N	N	--
16	230	N	--	N	60	N	--	N	N	--	N	N	N	--
17	228	N	--	N	--	N	--	100	N	--	N	N	N	--
18	50	N	--	N	--	N	--	N	N	--	N	N	N	--
19	338	N	--	N	N	N	--	N	N	--	N	N	N	--
19	339	N	--	N	<10	N	--	N	N	--	N	N	N	--
20	294	N	--	N	20	N	--	N	N	--	N	N	N	--
21	299	N	--	N	<10	N	--	N	N	--	N	N	N	--
22	340	N	--	N	10	N	--	N	N	--	N	N	N	--
23	364	N	--	N	10	N	--	N	N	--	N	N	N	--
24	282	N	--	N	20	N	--	N	N	--	N	N	N	--
25	296	N	--	N	50	N	--	N	N	--	N	N	N	--
26	297	N	--	N	30	N	--	N	N	--	N	N	N	--
27	218	N	--	1,500	300	N	--	100	N	--	N	N	N	--
27	219	N	--	N	10	N	--	N	N	--	N	N	N	--
27	220	N	--	500	200	N	--	N	N	--	N	N	N	--
28	236	N	--	N	N	N	--	N	N	--	N	N	N	--
28	302	N	--	N	N	N	--	N	N	--	N	N	N	--
30	179	N	--	N	N	N	--	N	N	--	N	N	N	--

TABLE 3.--Continued

Map No.	Sample	Latitude	Longitude	Cu-ppm s	Cu-ppm aa	Pb-ppm s	Pb-ppm aa	Zn-ppm s	Zn-ppm aa	Cd-ppm s	Cd-ppm aa	Ba-ppm s	Ag-ppm s	Ag-ppm aa
B-6 QUADRANGLE--Continued														
31	178	67 16 46	152 55 46	70	--	20	--	200	60.0	N	--	1,000	N	--
32	176	67 16 1	152 55 5	20	--	100	--	<200	55.0	N	--	500	N	--
33	175	67 15 33	152 53 59	100	--	100	--	200	85.0	N	--	700	N	--
34	174	67 15 27	152 53 11	5	--	100	--	200	95.0	N	--	300	N	--
B-5 QUADRANGLE														
1	329	67 29 49	152 2 19	N	--	100	--	N	60.0	N	--	20	N	--
2	529	67 28 56	152 23 20	--	--	--	--	--	--	--	--	--	--	--
3	513	67 28 40	152 20 12	--	--	--	137	--	--	--	--	--	--	1.4
4	277	67 28 39	152 2 43	30	--	30	--	N	15.0	N	--	200	N	--
5	20	67 27 59	152 16 19	200	--	200	--	N	20.0	N	--	300	N	--
6	512	67 26 15	152 28 10	--	--	--	--	--	--	--	--	--	--	2.3
7	166	67 23 5	152 11 54	50	--	50	--	200	40.0	N	--	300	N	--
8	223	67 22 3	152 1 55	70	--	30	--	<200	30.0	N	--	500	N	--
9	508	67 21 8	152 1 51	--	--	--	--	--	--	--	--	--	--	1.1
10	280	67 21 3	152 26 54	<5	--	100	--	5,000	1,100.0	N	--	500	N	--
11	26	67 20 41	152 13 50	50	--	<10	--	200	95.0	N	--	1,000	N	--
12	99	67 20 11	152 6 11	10	--	100	--	<200	25.0	N	--	500	N	--
13	42	67 19 53	152 13 42	30	--	100	--	<200	55.0	N	--	700	N	--
14	396	67 19 23	152 13 40	300	--	--	--	--	--	--	--	--	--	--
15	34	67 18 48	152 13 23	200	--	20	--	200	65.0	N	--	<20	N	--
16	519	67 18 43	152 21 6	--	--	--	--	--	--	--	--	--	--	1.6
17	33	67 18 40	152 13 23	150	--	150	--	<200	65.0	N	--	500	N	--
18	163	67 17 33	152 10 46	50	--	200	--	N	40.0	N	--	500	N	--
19	80	67 16 44	152 1 25	1,500	--	N	--	500	240.0	N	--	50	N	3.0
19	81	67 16 44	152 28 25	700	--	<10	--	N	110.0	N	--	300	N	--
20	168	67 16 42	152 9 34	50	--	30	--	200	80.0	N	--	500	N	--
21	82	67 15 43	152 13 57	150	--	100	--	3,000	3,000.0	N	--	200	N	--
B-4 QUADRANGLE														
1	503	67 29 50	151 30 27	2,000	2,400	--	--	200	250.0	--	--	--	--	13.0
2	494	67 28 56	151 40 49	200	--	--	--	--	--	--	--	--	--	.3
3	495	67 28 46	151 40 59	2,000	2,100	--	--	--	--	--	--	--	--	2.4
4	344	67 28 37	151 41 50	500	--	<10	--	N	75.0	N	--	300	N	--
5	1893A	67 27 33	151 53 12	3,000	--	N	--	N	10.0	N	N	20	N	--
6	8	67 27 31	151 41 49	10	--	20	--	200	65.0	N	--	200	N	--
7	496	67 26 38	151 37 6	--	--	--	--	--	--	--	--	--	--	1.3
7	497	67 26 38	151 37 6	--	--	--	--	--	--	--	--	--	--	1.0
8	18	67 26 31	151 43 23	10	--	70	--	N	30.0	N	--	300	N	--
9	1880	67 26 24	151 55 49	10,000	--	15	--	N	15.0	N	N	100	N	2.0
10	63	67 24 10	151 41 38	150	--	100	--	<200	80.0	N	--	700	N	--
11	64	67 24 6	151 41 6	200	--	50	--	<200	80.0	N	--	700	N	--
12	372	67 23 52	151 40 12	2,000	--	10	--	N	30.0	N	--	50	N	--
13	374	67 23 47	151 44 50	150	--	100	--	N	55.0	N	--	700	N	1.0
14	143	67 23 16	151 53 4	200	--	50	--	N	110.0	N	--	100	N	--

TABLE 3.--Continued

Map No.	Sample	AU-ppm S	AU-ppm aa	AS-ppm S	Chem-as	Sb-ppm S	Sb-ppm ea	Bl-ppm S	Bl-ppm ea	Hg-ppm inst	Sn-ppm S	W-ppm S	Mo-ppm S	Mo-ppm aa
B-6 QUADRANGLE--Continued														
31	178	N	--	N	--	N	--	N	--	--	N	N	N	--
32	176	N	--	N	--	N	--	N	--	--	N	N	N	--
33	175	N	--	N	--	N	--	N	--	--	N	N	N	--
34	174	N	--	N	--	N	--	N	--	--	N	N	N	--
B-5 QUADRANGLE--Continued														
1	329	N	--	N	N	N	--	N	--	--	N	N	N	--
2	529	--	--	--	--	--	126	20	--	--	--	200	--	--
3	513	N	--	N	--	N	--	N	--	--	N	N	N	--
4	277	N	--	200	160	N	--	N	--	--	N	N	N	--
5	20	N	--	1,500	--	N	--	N	--	--	N	N	N	--
6	512	--	--	--	--	--	--	--	--	--	--	--	--	500
7	166	N	--	N	--	N	--	N	--	--	N	N	N	--
8	223	N	--	N	<10	N	--	N	--	--	N	N	N	--
9	508	--	--	--	<10	--	40	510	--	--	N	N	N	--
10	280	N	--	N	<10	N	--	N	--	--	N	N	N	--
11	26	N	--	N	--	N	--	N	--	--	N	N	N	--
12	99	N	--	N	--	N	--	N	--	--	N	N	N	--
13	42	N	--	N	--	N	--	N	--	--	N	N	N	--
14	396	N	--	N	--	N	--	N	--	--	N	N	N	--
15	34	N	--	N	--	N	--	N	--	--	N	N	N	--
16	519	--	--	500	--	--	219	--	--	--	--	--	--	--
17	33	N	--	N	--	N	--	N	--	--	N	N	N	--
18	163	N	--	N	--	N	--	N	--	--	N	N	N	--
19	80	N	--	N	--	1,000	--	N	--	--	N	N	N	--
19	81	N	--	N	--	N	--	N	--	--	N	N	N	--
20	168	N	--	N	--	N	--	N	--	--	N	N	N	--
21	82	N	--	500	--	N	--	50	--	--	N	N	N	--
B-4 QUADRANGLE--Continued														
1	503	--	5.50	--	--	2,000	--	--	--	--	--	--	--	--
2	494	--	--	--	--	--	--	--	--	--	--	--	--	--
3	495	--	--	--	--	--	--	--	--	--	--	--	--	10
4	344	N	--	N	20	N	--	N	--	--	N	N	N	5
5	1893A	N	--	N	10	N	--	N	--	--	N	N	N	5
6	8	N	--	N	--	N	--	N	--	--	N	N	N	--
7	496	--	--	--	--	--	--	--	--	--	--	--	--	--
7	497	--	--	--	--	--	--	--	--	--	--	--	--	--
8	18	N	--	700	--	N	--	N	--	--	N	N	N	--
8	18	N	--	700	--	N	--	N	--	--	N	N	N	--
9	1880	N	--	N	30	N	8	N	--	--	10	N	N	--
10	63	N	--	N	--	N	--	N	--	--	N	N	N	--
11	64	N	--	N	--	N	--	N	--	--	N	N	N	--
12	372	N	--	3,000	1,200	N	--	N	--	--	N	N	N	--
13	374	N	--	N	30	N	--	N	--	--	N	N	N	--
14	143	N	--	N	--	N	--	N	--	--	N	N	N	--

TABLE 3.--Continued

Map No.	Sample	Latitude	Longitude	Cu-ppm S	Cu-ppm SS	Pb-ppm S	Pb-ppm SA	Zn-ppm S	Zn-ppm SA	Cd-ppm S	Cd-ppm SS	Ba-ppm S	Ag-ppm S	Ag-ppm SA
B-4 QUADRANGLE--Continued														
15	133	67 22 58	151 35 28	100	--	50	--	200	95.0	N	--	700	N	--
16	1290A	67 22 56	151 58 47	<u>10,000</u>	--	<u>2,000</u>	--	<u>700</u>	<u>1,000.0</u>	N	<u>3.30</u>	20	<u>20.0</u>	--
16	1290B	67 22 56	151 58 47	<u>2,000</u>	--	<u>300</u>	--	<u>300</u>	<u>300.0</u>	N	<u>1.00</u>	500	<u>3.0</u>	--
17	237	67 22 55	151 59 44	<u>5,000</u>	--	50	--	<200	<u>320.0</u>	N	--	500	<u><.5</u>	--
18	134	67 22 47	151 35 28	<u>300</u>	--	100	--	<200	<u>65.0</u>	N	--	700	N	--
19	378	67 22 17	151 32 42	5	--	<u>300</u>	--	N	10.0	N	--	700	<u>7.0</u>	--
20	66	67 21 47	151 42 6	20	--	<u>100</u>	--	N	15.0	N	--	200	N	--
21	255	67 21 41	151 48 14	70	--	<10	--	<u>200</u>	95.0	N	--	500	N	--
22	73	67 21 36	151 44 30	200	--	20	--	N	130.0	N	--	500	N	--
23	257	67 21 24	151 49 28	<u>2,000</u>	--	<u>200</u>	--	N	55.0	N	--	1,500	N	--
24	71	67 21 6	151 41 39	<5	--	<u>200</u>	--	<u>500</u>	<u>200.0</u>	N	--	700	N	--
25	441	67 20 48	151 41 46	--	--	<u>200</u>	--	--	--	--	--	--	--	--
26	72	67 20 7	151 44 33	<u>300</u>	--	<u>100</u>	--	N	15.0	N	--	500	<u>2.0</u>	--
27	404	67 19 56	151 48 9	<u>500</u>	--	--	--	--	--	--	--	--	<u>2.0</u>	--
28	259	67 19 50	151 56 52	<u>200</u>	--	30	--	N	70.0	N	--	<20	N	--
29	405	67 19 31	151 35 3	--	--	--	--	--	--	--	--	--	<u>2.0</u>	--
30	16	67 19 29	151 40 32	<u>1,000</u>	--	<u>100</u>	--	<200	20.0	N	--	20	<u>N</u>	--
31	76	67 19 11	151 55 52	<u>500</u>	--	<10	--	N	10.0	N	--	100	N	--
32	406	67 19 2	151 35 4	--	--	--	--	--	--	--	--	--	<u>2.0</u>	--
33	150	67 18 28	151 55 2	10	--	20	--	N	<5.0	N	--	200	<u>N</u>	--
34	408	67 18 1	151 34 54	--	--	--	--	--	--	--	--	--	<u>2.0</u>	--
35	1	67 17 5	151 36 6	<u>500</u>	--	50	--	<u>200</u>	65.0	N	--	300	N	--
36	6	67 16 59	151 41 11	50	--	50	--	<u>200</u>	85.0	N	--	<u>3,000</u>	N	--
37	2	67 16 37	151 46 50	700	--	70	--	<200	60.0	N	--	<u>500</u>	N	--
38	3	67 16 16	151 42 35	100	--	30	--	<u>200</u>	130.0	N	--	1,000	N	--
39	154	67 15 55	151 36 7	<u>200</u>	--	20	--	N	30.0	N	--	300	<u>5.0</u>	--
40	185	67 15 2	151 41 24	<u>200</u>	--	50	--	<200	75.0	N	--	2,000	N	--
41	184	67 15 2	151 35 13	<5	--	50	--	<u>200</u>	15.0	N	--	200	N	--
B-3 QUADRANGLE														
1	502	67 28 38	151 28 47	--	<u>21,000</u>	--	--	--	--	--	--	--	--	<u>14.0</u>
2	501	67 28 34	151 29 8	--	--	--	--	--	--	--	--	--	--	<u>.3</u>
3	499	67 28 13	151 28 31	<u>1,000</u>	<u>600</u>	--	--	--	--	--	--	--	--	<u>1.3</u>
3	500	67 28 13	151 28 31	<u>5,000</u>	<u>3,900</u>	--	--	--	--	--	--	--	--	<u>4.1</u>
4	275	67 27 11	151 28 48	<u>500</u>	--	50	--	<200	.2	N	--	500	N	--
5	478	67 26 45	151 28 38	--	--	--	<u>200</u>	--	<u>103,000.0</u>	--	--	--	--	<u>2.2</u>
6	318	67 25 52	151 17 44	<u>1,000</u>	--	<10	--	N	20.0	N	--	N	N	--
7	477	67 25 33	151 16 55	--	<u>1,380</u>	--	--	--	--	--	--	--	--	<u>11.0</u>
8	BZARE314	67 23 42	151 1 6	<5	--	10	--	<u>500</u>	<u>280.0</u>	N	<u>.40</u>	1,000	N	--
9	75	67 23 41	151 18 26	<u>300</u>	--	50	--	N	20.0	N	--	500	N	--
10	211	67 22 25	151 20 49	<u>300</u>	--	20	--	<u>200</u>	85.0	N	--	20	N	--
11	119	67 22 0	151 21 58	<u>300</u>	--	<10	--	N	50.0	N	--	<20	N	--
12	122	67 21 36	151 16 59	<u>200</u>	--	20	--	<u>200</u>	100.0	N	--	700	N	--
13	121	67 20 48	151 22 13	<u>300</u>	--	<10	--	N	35.0	N	--	100	N	--
14	216	67 20 23	151 1 28	70	--	<10	--	<u>300</u>	140.0	N	--	<u>5,000</u>	<u>2.0</u>	--

TABLE 3.--Continued

Map No.	Sample	Au-ppm g	Au-ppm aa	As-ppm S	Chem-as	Sb-ppm S	Sb-ppm aa	Bi-ppm S	Bi-ppm aa	Hg-ppm inet	Sn-ppm g	U-ppm e	Mo-ppm S	Mo-ppm aa
B-4 QUADRANGLE--Continued														
15	133	N	--	N	--	N	--	N	--	--	N	N	N	--
16	1290R	N	<.05	N	10	N	6	50	65	--	N	N	N	--
16	1290R	N	N	N	15	N	2	15	10	--	N	N	N	--
17	237	N	N	<200	100	N	--	N	--	--	N	N	<5	--
18	134	N	--	N	--	N	--	N	--	--	N	N	N	--
19	378	N	--	N	30	N	--	N	--	--	N	N	N	--
20	66	R	--	<200	--	N	--	N	--	--	N	N	N	--
21	255	K	--	N	10	N	--	N	--	--	N	N	N	--
22	73	K	--	N	--	N	--	N	--	--	N	N	N	--
23	257	K	--	<500	180	N	--	N	--	--	N	N	150	--
24	71	N	--	500	--	N	--	N	--	--	N	N	N	--
25	441	--	--	1,500	--	N	--	N	--	--	N	N	N	--
26	72	N	--	--	--	N	--	N	--	--	N	N	N	--
27	404	--	--	--	--	N	--	N	--	--	N	N	N	--
28	259	N	--	N	10	N	--	N	--	--	N	N	N	--
29	405	--	--	--	--	N	--	N	--	--	N	N	N	--
30	16	N	--	N	--	N	--	N	--	--	N	N	N	--
31	76	N	--	N	--	N	--	N	--	--	N	N	N	--
32	406	--	--	--	--	N	--	N	--	--	N	N	N	--
33	150	N	--	10,000	--	N	--	N	--	--	N	N	N	--
34	408	--	--	--	--	N	--	N	--	--	N	N	N	--
35	1	R	--	N	--	N	--	N	--	--	50	N	N	--
36	6	R	--	N	--	N	--	N	--	--	N	N	5	--
37	2	R	--	N	--	N	--	N	--	--	N	N	N	--
38	3	N	--	N	--	N	--	N	--	--	N	N	10	--
39	154	R	--	N	--	N	--	N	--	--	N	N	N	--
40	185	R	--	N	--	N	--	N	--	--	N	N	N	--
41	184	N	--	N	--	N	--	N	--	--	N	N	N	--
B-3 QUADRANGLE--Continued														
1	502	--	--	--	--	--	--	--	--	--	--	--	5	--
2	501	--	--	--	--	--	--	--	--	--	--	--	--	--
3	499	--	.10	--	--	--	--	--	--	--	--	--	10	--
3	500	--	--	--	--	--	--	--	--	--	--	--	5	--
4	275	N	--	N	<10	N	--	N	--	--	N	N	N	--
5	478	--	.40	--	37	--	--	--	--	--	--	--	--	--
6	118	N	--	N	--	N	--	N	--	--	N	N	N	--
7	477	--	.07	--	3	--	--	--	--	--	--	--	--	320
8	82A8E314	N	N	N	N	N	N	N	N	N	N	N	N	N
9	75	N	--	N	--	N	--	N	--	--	N	N	N	--
10	211	N	--	N	--	N	--	N	--	--	N	N	N	--
11	119	N	--	N	--	N	--	N	--	--	N	N	N	--
12	122	N	--	N	--	N	--	N	--	--	N	N	N	--
13	121	N	--	N	--	N	--	N	--	--	N	N	N	--
14	216	N	--	100	--	N	--	N	--	--	N	N	N	20

TABLE 3.--Continued

Map No.	Sample	Latitude	Longitude	Cu-ppm S	Cu-ppm sa	Pb-ppm S	Pb-ppm sa	Zn-ppm S	Zn-ppm sa	Cd-ppm S	Cd-ppm sa	Ba-ppm S	Ag-ppm S	Ag-ppm sa
B-3 QUADRANGLE--Continued														
15	130	67 19 58	151 5 59	20	--	<u>100</u>	--	<200	45.0	N	--	1,000	N	--
16	380	67 19 51	151 18 29	30	--	<u>1,500</u>	--	<u>1,000</u>	<u>1,800.0</u>	N	--	<u>5,000</u>	<u>20.0</u>	--
17	127	67 19 31	151 20 36	20	--	<u>100</u>	--	N	25.0	N	--	500	N	--
18	125	67 19 16	151 20 9	10	--	20	--	<200	40.0	N	--	2,000	<u>2.0</u>	--
19	86	67 18 38	151 28 14	30	--	<u>100</u>	--	N	<5.0	N	--	700	N	--
20	177	67 18 35	151 21 50	30	--	<u>100</u>	--	<u>200</u>	45.0	N	--	1,500	N	--
21	467	67 18 17	151 14 22	--	<u>1,365</u>	--	--	--	<u>328.0</u>	--	--	--	--	<u>2.1</u>
21	468	67 18 17	151 14 22	--	<u>923</u>	--	--	--	--	--	--	--	--	<u>2.9</u>
21	469	67 18 17	151 14 22	--	<u>1,309</u>	--	--	--	--	--	--	--	--	<u>3.9</u>
21	470	67 18 17	151 14 22	--	<u>1,360</u>	--	--	--	--	--	--	--	--	<u>2.8</u>
21	471	67 18 17	151 14 22	--	<u>1,260</u>	--	--	--	--	--	--	--	--	<u>5.6</u>
22	472	67 18 13	151 14 32	--	<u>1,051</u>	--	--	--	--	--	--	--	--	<u>1.2</u>
23	60	67 18 9	151 16 20	100	--	30	--	<u>200</u>	95.0	N	--	1,500	N	--
24	474	67 18 7	151 14 38	--	<u>493</u>	--	--	--	--	--	--	--	--	.5
24	475	67 18 7	151 14 38	--	--	--	--	--	--	--	--	--	--	.2
25	1943	67 17 25	151 19 4	70	--	<u>>20,000</u>	--	N	30.0	<u>100</u>	<u>250.00</u>	100	<u>200.0</u>	--
26	52	67 17 1	151 17 2	100	--	<10	--	<u>200</u>	20.0	N	--	700	N	--
B-2 QUADRANGLE														
1	82ABE268	67 27 29	150 58 48	70	--	30	--	<u>200</u>	140.0	N	.30	700	N	--
2	82TM88AG	67 23 28	150 55 40	100	--	30	--	<u>200</u>	60.0	N	<.10	300	N	--
3	82TM86BG	67 23 0	150 53 26	50	--	10	--	<u>300</u>	60.0	N	.20	150	N	--
4	82TM63AG	67 22 21	150 57 29	100	--	N	--	<u>200</u>	40.0	N	.10	200	N	--
5	82TM660G	67 21 52	150 41 40	30	--	20	--	<u>200</u>	45.0	N	.10	300	N	--
6	82TM85BG	67 21 20	150 45 33	10	--	10	--	N	30.0	N	.10	300	N	--
7	82TM648G	67 21 8	150 51 50	20	--	15	--	<200	40.0	N	.10	300	N	--
8	82ABE278	67 19 56	150 57 17	100	--	20	--	<u>300</u>	165.0	N	.10	1,000	N	--
9	82ABE351	67 18 40	150 31 44	50	--	10	--	<200	90.0	N	.10	<u>3,000</u>	N	--
B-1 QUADRANGLE														
1	1944	67 29 11	150 5 2	100	--	<u>100</u>	--	N	20.0	N	N	150	<.5	--
2	1738	67 28 26	150 13 37	150	--	<u>300</u>	--	N	50.0	N	N	200	N	--
2	1738A	67 28 26	150 13 37	50	--	N	--	N	80.0	N	<.10	70	N	--
2	1738B	67 28 26	150 13 37	150	--	<u>200</u>	--	N	<5.0	N	.40	70	N	--
2	1738C	67 28 26	150 13 37	150	--	<u>200</u>	--	N	<5.0	N	.10	N	N	--
3	82ABE300	67 28 20	150 13 29	50	--	50	--	N	80.0	N	<.10	300	N	--
4	1739	67 27 54	150 8 38	100	--	<u>100</u>	--	N	65.0	N	N	N	N	--
4	1739A	67 27 54	150 8 38	<u>300</u>	--	<u>700</u>	--	N	<5.0	N	.10	N	N	--
4	1739B	67 27 54	150 8 38	<u>200</u>	--	<u>700</u>	--	N	<5.0	N	.10	N	N	--
5	82ABE301	67 27 50	150 8 51	150	--	<u>200</u>	--	N	N	N	N	N	N	--

TABLE 3.--Continued

Map No.	Sample	AU-PPA S	AU-PPA RA	AS-PPA S	Chem-as	SB-PPA S	Sb-PPA SA	BI-PPA B	BI-PPA BA	HQ-PPA Inst	SA-PPA S	H-PPA S	HO-PPA S	MO-PPA S	RO-PPA SA
B-3 QUADRANGLE--Continued															
15	130	N	--	N	--	N	--	N	--	--	N	N	N	N	--
16	380	R	.25	1,000	200	N	--	N	--	--	N	N	N	N	--
17	127	R	--	N	--	N	--	N	--	--	N	N	N	N	--
18	125	R	--	N	--	N	--	N	--	--	N	N	N	N	--
19	86	R	--	N	--	N	--	N	--	--	N	N	N	N	--
20	177	N	--	N	--	N	--	N	--	--	N	N	N	N	--
21	467	--	.43	--	500	--	--	--	--	--	50	--	--	--	--
21	468	--	.88	--	6,500	--	--	--	--	--	50	--	--	--	--
21	469	--	8.28	--	7,200	--	--	--	--	--	50	--	--	--	--
21	470	--	.54	--	518	--	--	--	--	--	50	--	--	--	--
21	471	--	2.45	--	82,000	--	70	--	--	--	50	--	--	--	--
22	472	--	N	--	68	--	--	--	--	--	50	--	--	--	--
23	60	N	--	N	--	N	--	N	--	--	N	N	N	N	--
24	878	--	.02	--	5	--	--	--	--	--	N	N	N	N	--
24	475	--	N	--	140	--	--	--	--	--	N	N	N	N	--
25	1903	N	.05	1,000	330	300	320	<10	--	--	N	N	N	N	--
26	52	N	--	500	--	N	--	N	--	--	N	N	N	N	--
B-2 QUADRANGLE--Continued															
1	82ABF268	N	N	N	N	N	N	N	N	--	N	N	N	N	--
2	82TM88AC	N	N	N	10	N	N	N	N	--	N	N	N	N	--
3	82TM86BC	N	N	N	15	N	N	N	N	--	N	N	N	N	--
4	82TM63AC	N	N	N	10	N	N	N	N	--	N	N	N	N	--
5	82TM66DG	N	N	N	5	N	N	N	N	--	N	N	N	N	--
6	82TM858G	N	N	N	75	N	3	N	N	--	N	N	N	N	--
7	82TM64AC	N	N	N	50	N	N	N	N	--	N	N	N	N	--
8	82ABE278	N	N	N	10	N	N	N	N	--	N	N	N	N	--
8	82ABE351	N	N	N	5	N	N	N	N	--	N	N	N	N	--
B-1 QUADRANGLE--Continued															
1	1944	N	N	N	10	N	N	N	N	--	N	N	N	N	--
2	1738	15	6.20	>10,000	5	>10,000	--	N	N	AD2	N	N	N	N	--
2	1738A	N	3.60	7,000	13,000	2,000	1,500	N	N	40	N	N	N	N	--
2	1738B	10	--	7,000	--	>10,000	--	N	N	55	N	N	N	N	--
2	1738C	15	--	10,000	--	>10,000	--	N	N	--	N	N	N	N	--
3	82ABE300	20	7.00	>10,000	1,000	>10,000	>100,000	N	N	--	N	N	N	N	--
4	1739	N	.35	N	5	>10,000	--	N	N	>10.00	N	N	N	N	--
4	1739A	10	--	N	20	>10,000	--	N	N	--	N	N	N	N	--
4	1739B	15	--	N	20	>10,000	--	N	N	--	N	N	N	N	--
5	82ABE301	<10	N	N	N	>10,000	>100,000	N	N	--	N	N	N	N	--

TABLE 3.--Continued

Map No.	Sample	Latitude	Longitude	Cu-ppm S	Co-ppm BB	Pb-ppm S	Pb-ppm BB	Zn-ppm S	Zn-ppm BB	Cd-ppm S	Cd-ppm BB	Ba-ppm S	Ag-ppm S	Ag-ppm BB
B-1 QUADRANGLE--Continued														
6	82ABE350	67 24 0	150 24 26	70	--	30	--	200	120.0	N	<.10	500	N	--
7	2007A	67 23 27	150 26 26	70	--	20	--	N	50.0	N	.10	700	N	--
8	2005B	67 23 10	150 24 13	50	--	20	--	N	180.0	N	1.30	70	N	.5
9	82ABE304	67 21 30	150 25 26	50	--	10	--	200	110.0	N	.20	1,000	N	--
A-6 QUADRANGLE														
1	12	67 13 5	152 37 2	300	--	30	--	<200	75.0	N	--	300	N	--
2	422	67 11 48	152 36 36	--	--	100	--	--	--	--	--	--	--	--
3	213	67 11 16	152 34 59	<5	--	300	--	--	<5.0	N	--	700	N	--
4	29	67 11 13	152 49 31	300	--	20	--	300	180.0	N	--	1,000	N	--
4	30	67 11 13	152 49 31	150	--	20	--	200	80.0	N	--	2,000	N	--
5	14	67 11 1	152 34 52	70	--	50	--	500	430.0	N	--	3,000	2.0	--
6	387	67 10 42	152 48 35	--	--	--	--	--	--	--	--	--	2.0	--
7	27	67 10 28	152 40 1	150	--	100	--	500	360.0	N	--	1,000	N	--
7	412	67 10 28	152 49 1	--	--	200	--	--	--	--	--	--	--	--
7	413	67 10 28	152 49 1	--	--	--	--	--	--	--	--	--	2.0	--
8	527	67 10 23	152 36 26	--	--	--	--	--	--	--	--	--	--	--
9	92	67 8 34	152 56 17	10	--	100	--	N	10.0	N	--	2,000	N	--
10	426	67 8 30	152 56 6	--	--	100	--	--	--	--	--	--	--	--
11	428	67 8 22	152 53 37	--	--	200	--	--	--	--	--	--	--	--
12	394	67 5 16	152 43 18	--	--	--	--	--	--	--	--	--	2.0	--
12	214	67 5 16	152 43 18	200	--	<10	--	N	80.0	N	--	500	N	--
13	203	67 4 47	152 54 56	300	--	20	--	N	80.0	N	--	300	N	--
14	85	67 4 25	152 35 57	500	--	<10	--	N	75.0	N	--	50	N	--
15	100	67 4 9	152 37 52	500	--	<10	--	N	75.0	N	--	200	N	--
15	202	67 4 3	152 54 0	30	--	<10	--	<200	35.0	N	--	25,000	5.0	--
17	32	67 3 57	152 53 55	200	--	<10	--	<200	140.0	N	--	1,000	N	--
17	31	67 3 49	152 53 49	500	--	<10	--	200	110.0	N	--	200	N	--
A-5 QUADRANGLE														
1	521	67 13 50	152 17 18	--	--	--	--	--	--	--	--	--	--	--
2	400	67 13 17	152 4 43	--	--	--	--	--	--	--	--	--	2.0	--
3	438	67 12 39	152 4 45	200	--	--	--	--	--	--	--	--	--	--
4	200	67 12 11	152 22 46	200	--	50	--	200	75.0	N	--	1,000	N	--
5	47	67 11 43	152 3 53	70	--	20	--	200	90.0	N	--	1,000	N	--
6	199	67 11 8	152 25 38	300	--	150	--	<200	80.0	N	--	500	<.5	--
7	197	67 9 49	152 19 29	20	--	500	--	N	120.0	N	--	1,000	N	--
8	193	67 7 45	152 12 15	15	--	<10	--	200	55.0	N	--	700	N	--
9	389	67 6 59	152 15 44	200	--	--	--	--	--	--	--	--	2.0	--
9	390	67 6 59	152 15 44	--	--	--	--	--	--	--	--	--	2.0	--
9	391	67 6 59	152 15 44	200	--	--	--	--	--	--	--	--	2.0	--
9	392	67 6 59	152 15 44	300	--	--	--	--	--	--	--	--	2.0	--
9	215	67 6 59	152 15 44	500	--	<10	--	N	80.0	N	--	500	N	--
10	77	67 6 29	152 16 56	300	--	<10	--	N	65.0	N	--	100	N	--
11	78	67 6 23	152 18 4	200	--	<10	--	N	60.0	N	--	50	N	--

TABLE 3.--Continued

Map No.	Sample	Au-ppm e	Au-ppm aa	As-ppm s	Chem-as	Sb-ppm s	Sb-ppm aa	Bi-ppm s	Bi-ppm aa	Hg-ppm inst	Sn-ppm s	W-ppm s	Mo-ppm s	Mo-ppm aa
B-1 QUADRANGLE--Continued														
6	82ABE350	N	N	N	5	N	N	N	N	--	N	N	N	--
7	2007A	N	N	N	<u>60</u>	N	2	N	N	--	N	N	N	--
8	2005B	N	N	N	<u>20</u>	N	5	N	N	--	N	N	<u>10</u>	--
9	82ABE344	N	N	N	5	N	N	N	N	--	N	N	<u>N</u>	--
A-6 QUADRANGLE--Continued														
1	12	X	--	X	--	X	--	N	--	--	N	N	X	--
2	422	--	--	--	--	--	--	--	--	--	--	--	--	--
3	213	X	--	X	--	N	--	N	--	--	N	N	N	--
4	29	X	--	X	--	X	--	N	--	--	N	N	N	--
4	30	N	--	N	--	N	--	N	--	--	N	N	<5	--
5	14	N	--	N	--	N	--	N	--	--	N	N	<u>20</u>	--
6	387	--	--	--	--	--	--	--	--	--	<u>50</u>	--	--	--
7	27	X	--	X	--	N	--	N	--	--	X	N	<u>20</u>	--
7	412	--	--	--	--	--	--	--	--	--	--	--	--	--
7	413	--	--	--	--	--	--	--	--	--	--	--	--	--
8	527	--	--	--	--	--	--	<u>50</u>	--	--	--	--	--	--
9	92	N	--	N	--	X	--	N	--	--	N	N	N	--
10	426	--	--	--	--	--	--	--	--	--	--	--	--	--
11	428	--	--	--	--	--	--	--	--	--	--	--	--	--
12	394	--	--	--	--	--	--	--	--	--	--	--	--	--
12	214	X	--	X	--	N	--	N	--	--	N	N	X	--
13	203	N	--	N	--	X	--	N	--	--	N	N	N	--
14	85	X	--	X	--	X	--	N	--	--	N	N	N	--
15	100	X	--	N	--	N	--	N	--	--	N	N	N	--
16	202	N	--	X	--	X	--	N	--	--	N	N	X	--
17	32	N	--	X	--	X	--	N	--	--	N	N	N	--
18	31	N	--	N	--	N	--	N	--	--	N	N	N	--
A-5 QUADRANGLE--Continued														
1	521	--	--	--	--	--	--	<u>50</u>	--	--	--	--	--	--
2	400	--	--	--	--	--	--	--	--	--	--	--	--	--
3	438	--	--	--	--	--	--	--	--	--	--	--	--	--
4	200	N	--	N	--	N	--	N	--	--	N	N	N	--
5	47	N	--	N	--	N	--	N	--	--	N	N	N	--
6	199	N	--	N	--	N	--	N	--	--	N	N	N	--
7	197	N	--	N	--	N	--	N	--	--	N	N	N	--
8	193	N	--	N	--	N	--	N	--	--	N	N	N	--
9	389	--	--	--	--	--	--	--	--	--	--	--	--	--
9	390	--	--	--	--	--	--	--	--	--	--	--	--	--
9	391	--	--	--	--	--	--	--	--	--	--	--	--	--
9	392	--	--	--	--	--	--	--	--	--	--	--	--	--
9	215	N	--	N	--	N	--	N	--	--	N	N	N	--
10	77	N	--	N	--	N	--	N	--	--	N	N	N	--
11	78	N	--	N	--	N	--	N	--	--	N	<u><50</u>	N	--

TABLE 3.--Continued

Map No.	Sample	Latitude	Longitude	Cu-ppm S	Cu-ppm aa	Pb-ppm S	Pb-ppm aa	Zn-ppm S	Zn-ppm aa	Cd-ppm S	Cd-ppm aa	Ba-ppm S	Au-ppm S	Au-ppm aa
A-5 QUADRANGLE--Continued														
12	79	67 6 16	152 18 30	200	--	<10	--	<200	80.0	N	--	100	N	--
13	192	67 5 36	152 17 46	200	--	<10	--	N	85.0	N	--	200	N	--
A-4 QUADRANGLE														
1	50	67 14 56	151 34 01	100	--	50	--	300	200.0	N	--	1,500	N	--
1	51	67 14 56	151 34 41	300	--	70	--	200	15.0	N	--	1,000	N	--
2	187	67 16 25	151 34 40	200	--	50	--	N	55.0	N	--	500	N	--
3	186	67 13 52	151 34 45	100	--	50	--	200	100.0	N	--	1,500	N	--
A-3 QUADRANGLE														
1	180	67 10 31	151 11 57	30	--	20	--	200	100.0	N	--	500	N	--
2	181	67 8 41	151 11 4	150	--	20	--	100	360.0	N	--	1,000	N	--
A-1 QUADRANGLE														
1	1845A	67 14 18	150 17 25	15	--	10	--	<200	180.0	N	.30	150	N	--
2	1847A	67 5 27	150 29 59	30	--	10	--	N	190.0	N	.40	200	N	--

TABLE 3.--Continued

Map No.	Sample	Au-ppm s	Au-ppm aa	As-ppm s	Chem-ss	Sb-ppm s	Sb-ppm aa	Bi-ppm s	Bi-ppm aa	Hg-ppm Inst	Sn-ppm s	V-ppm s	Mo-ppm s	Mo-ppm aa
A-5 QUADRANGLE--Continued														
1	79	N	--	N	--	N	--	N	--	--	N	550	N	--
2	192	N	--	N	--	N	--	N	--	--	N	550	N	--
A-6 QUADRANGLE--Continued														
1	50	N	--	N	--	N	--	N	--	--	N	N	N	--
2	51	15 N	--	210.000 N	--	300 N	--	50 N	--	--	N	N	N	--
3	187	N	--	N	--	N	--	N	--	--	N	N	N	--
3	186	N	--	300 N	--	N	--	N	--	--	N	N	N	--
A-3 QUADRANGLE--Continued														
1	180	N	--	N	--	N	--	N	--	--	N	N	N	--
2	181	N	--	N	--	N	--	N	--	--	N	550	N	--
A-1 QUADRANGLE--Continued														
1	1845A	N	N	N	10	N	N	N	N	--	N	N	N	--
2	1847A	N	N	N	5	N	N	N	N	--	N	N	N	--

TABLE 4.--Analytical data for selected metallic and associated elements in anomalous stream-sediment-
pebble-samples, Wiseman quadrangle, Brooks Range, Alaska

Sample	Latitude	Longitude	Map No.	Lu-ppm	Pb-ppm	Zn-ppm	Cd-ppm	Co-ppm	Cr-ppm	Ag-ppm	Au-ppm
D-6 quadrangle											
834A	67 57 34	152 55 5	1	15	100	N				100	N
1837	67 56 4	152 40 13	2	15	150	N				70	N
D-5 quadrangle											
1675	67 59 54	152 20 44	1	15	30	M				150	.5
D-4 quadrangle											
1671	67 59 54	152 20 44	1	15	30	N				150	.5
834A	67 57 54	152 55 5	2	15	100	N				100	N
1837	67 56 4	152 40 13	3	15	150	N				70	N
D-3 quadrangle											
1169A	67 57 40	151 26 33	1	20	20	N				150	1.0
1162	67 57 39	151 6 27	2	10	20	N				70	N
1162A	67 57 39	151 6 27	2	45	N	N				70	N
1161A	67 57 18	151 6 39	3	10	N	N				100	N
1661	67 53 58	151 29 26	4	30	20	N				300	N
927C	67 50 45	151 7 57	5	7	N	N				1,000	N
927	67 49 18	151 5 15	6	50	N	N				50	N
914A	67 47 36	151 14 56	7	50	N	N				200	N
923A	67 47 27	151 5 10	8	10	15	N				200	N
975A	67 46 9	151 10 26	9	20	N	N				200	N
D-2 quadrangle											
1062	67 59 52	150 34 13	1	30	50	200				200	N
950	67 59 0	150 50 79	2	30	100	200				200	N
1041	67 50 57	150 33 1	3	50	70	300				500	N
1061A	67 50 57	150 33 1	3	100	10	500				400	N
944	67 50 46	150 54 40	4	15	10	500				200	N
944b	67 50 46	150 54 40	4	20	N	300				500	N
1037A	67 49 36	150 17 25	5	50	15	200				1,000	N
1036	67 49 2	150 33 50	6	30	10	40				1,500	N
1035	67 48 14	150 32 25	7	400	30	300				20	N
942	67 47 49	150 46 77	8	50	N	200				30	N

TABLE 4.--Continued

Anomalous Pebble Samples, Wiseman Quadrangle, Brooks Range, Alaska

Sample	As-ppm s	As-ppm ss	Sb-ppm s	Sb-ppm ss	Bi-ppm s	Bi-ppm ss	Hg-ppm inst	Sn-ppm s	W-ppm s	Mo-ppm s
D-6 Quadrangle--continued										
B34A 1837	N N	N 15	N N	<2 <2	N N	N --	-- --	N N	N N	N N
D-5 Quadrangle--continued										
1671	<u>200</u>	<u>110</u>	N	6	N	--	--	N	N	N
D-4 Quadrangle--continued										
1671 B34A 1837	<u>200</u> N N	<u>110</u> N 15	N N N	6 <2 <2	N N N	-- N --	-- -- --	N N N	N N N	N N N
D-3 Quadrangle--continued										
1169A 1162 1162A 1161A 1661 925C 922 914A 923A 973A	N N N N N N N N N N	15 15 5 5 <u>100</u> <5 <5 <5 10 5	N N N N N N N N N N	<2 N N 5 9 N N N 7 5	N N N N N N N N N N	N N N N N N N N N N	-- -- -- -- -- -- -- -- <u>.16</u> <u>.10</u>	N N N N N N N N N N	N N N N N N N N N N	N N N N N N N N <u>10</u> 7
D-2 Quadrangle--continued										
1062 950 1041 1041A 944 944B 1037A 1036 1035 942	N N N N N N N N N N	<u>50</u> 5 <u>180</u> <u>40</u> <5 5 30 15 5 <5	N N N N N N N N N N	N N 4 4 N 2 <u>25</u> 8 N N	N N N N N N N N N N	N N N N N N N N N N	-- -- .04 .04 .04 <u>.12</u> <u>.52</u> <u>.22</u> <u>.14</u> <u>.04</u>	N N N N N N N N N N	N N N N N N N N N N	N N <u>20</u> N N <u>15</u> <u>20</u> 7 <u>10</u> N

TABLE 4.--Continued

Anomalous Pebble Samples, Wiseman Quadrangle, Brooks Ranger, Alaska--continued

Sample	Latitude	Longitude	Map No.	Cu-ppm	Pb-ppm	Zn-ppm	Cd-ppm	Bismuth	Ay-ppm	Au-ppm
D-2 Quadrangle--continued										
935	67 45 14	150 58 38	9	5	N	45	N	300	<.5	N
935C	67 45 14	150 58 38	9	15	N	55	N	100	1.5	N
935D	67 45 14	150 58 38	9	150	<200	100	N	150	N	N
937	67 45 9	150 48 59	10	7	300	220	N	1,000	N	N
0-1 Quadrangle--continued										
1068	67 59 26	150 3 53	1	5	100	55	N	70	N	N
972	67 58 58	150 29 43	2	15	50	30	N	150	N	N
1054A	67 57 0	150 13 47	3	45	20	180	N	150	N	N
1056A	67 55 27	150 8 20	4	20	N	70	N	1,000	N	N
1052	67 54 21	150 24 13	5	150	700	300	N	1,000	2.0	N
1071	67 52 33	150 9 43	6	50	200	95	N	500	.7	N
105U	67 51 23	150 24 55	7	150	200	110	N	30	1.5	N
1046	67 50 23	150 27 25	8	70	700	400	N	700	1.5	N
1073	67 50 12	150 7 14	9	50	100	100	N	30	N	N
C-6 Quadrangle--continued										
1200A	67 41 33	152 45 28	1	5	3,000	20	N	100	5.0	N
1200B	67 41 33	152 45 28	1	15	20	40	N	1,000	N	N
1202A	67 40 25	152 36 58	2	70	50	15	N	1,500	N	N
1199	67 39 1	152 47 30	3	30	200	50	N	300	N	N
1191	67 38 15	152 57 21	4	30	50	75	N	1,600	N	N
1767	67 35 41	152 42 18	5	45	150	20	N	50	1.0	N
121B	67 35 22	152 46 10	6	20	30	N	N	200	N	N
C-5 Quadrangle--continued										
731A	67 44 39	152 13 3	1	150	100	300	N	150	N	N
C-4 Quadrangle--continued										
1744	67 42 32	151 30 28	1	20	N	20	N	150	N	N
1745	67 41 4	151 31 41	2	30	N	50	N	300	N	N
C-3 Quadrangle--continued										
981	67 44 27	151 6 20	1	500	30	25	N	200	.7	N
981A	67 44 27	151 6 20	1	100	50	90	N	500	N	N
979	67 44 22	151 13 11	2	150	N	200	N	30	N	N
1742	67 42 27	151 26 19	3	50	10	90	N	500	N	N
1741	67 41 40	151 25 24	4	10	10	70	N	5,000	N	N

TABLE 4.--Continued

Anomalous Pebble Samples, Wiseman Quadrangle, Brooks Range, Alaska--continued

Sample	As-ppm s	As-ppm aa	Su-ppm b	Sb-ppm aa	Bi-ppm s	Bi-ppm aa	Hg-ppm inst	Sn-ppm s	W-ppm s	Mo-ppm s
D-2 Quadrangle--continued										
935	N	10	N	<u>10</u>	N	N	.20	N	N	15
935C	N	<u>120</u>	N	<u>18</u>	N	N	.06	N	N	<u>10</u>
935D	N	<5	N	1	N	N	.04	N	N	N
937	A	<5	N	5	N	N	.48	N	N	<5
D-1 Quadrangle--continued										
106B	N	5	N	N	N	N	--	N	N	N
972	N	5	N	N	N	N	.10	N	N	N
1054A	N	5	N	N	N	N	<u>.18</u>	N	N	N
1056A	A	5	N	2	N	N	--	N	N	15
1052	N	5	N	6	N	N	.22	N	N	<5
1071	A	5	N	6	N	N	--	N	N	N
1050	A	10	N	4	N	N	.04	N	N	N
1046	A	10	N	3	N	N	.20	N	N	15
1073	A	40	N	N	N	N	--	N	N	N
C-6 Quadrangle--continued										
1200A	A	<5	N	N	N	N	--	N	N	N
1200u	A	10	N	N	N	N	--	N	N	15
1202A	N	20	N	2	N	N	--	N	N	<u>150</u>
1199	N	20	N	<2	N	N	--	N	N	N
1197	N	<5	N	N	N	N	--	N	N	<u>20</u>
1767	N	N	N	2	N	--	--	N	N	N
1218	A	<u>80</u>	N	2	N	N	--	N	N	N
C-5 Quadrangle--continued										
731A	A	<5	N	N	N	<1	--	N	N	N
C-4 Quadrangle--continued										
1744	N	5	<100	<u>25</u>	N	N	--	N	N	N
1745	N	10	N	8	N	N	--	N	N	<u>10</u>
C-3 Quadrangle--continued										
981	A	<u>65</u>	N	8	N	<u>3</u>	.04	N	N	N
981A	N	5	N	N	N	N	.06	N	N	<u>10</u>
979	A	15	N	3	N	N	--	N	N	<u>10</u>
1742	N	10	<100	<u>11</u>	N	N	--	N	N	N
1741	A	N	<u>200</u>	<u>150</u>	N	N	--	N	N	N

TABLE 4.--Continued

Anomalous Pebble Samples, Wieseon Busorangle, Brooks Range, Alaska--continued

Sample	Latitude	Longitude	Map No.	Cu-ppm	Pb-ppm	Zn-ppm	In-ppm	Cd-ppm	Be-ppm	Ag-ppm	Au-ppm
1740	67 59 36	151 23 6	5	10	30	N	75	M	200	N	M
C-3 Quadrangle--continued											
C-2 quadrangle--continued											
1101A	67 43 59	150 51 39	1	15	50	<200	140	M	150	N	M
1101B	67 43 59	150 51 39	1	5	N	N	50	M	150	M	M
1101C	67 43 59	150 51 39	1	5	30	N	10	N	1,000	M	M
998	67 37 1	150 53 2	2	20	700	N	500	N	100	M	M
1122	67 35 40	150 33 29	3	50	N	M	75	N	500	M	M
1122A	67 35 40	150 33 29	3	70	70	N	30	M	300	M	M
1123A	67 35 9	150 33 52	4	7	30	N	20	M	100	M	M
1123B	67 35 9	150 33 52	4	500	15	N	20	M	70	M	M
1094A	67 33 58	150 46 11	5	70	100	200	190	M	300	.5	M
1092	67 32 44	150 51 9	6	15	N	300	340	N	500	N	M
1097A	67 31 28	150 41 2	7	20	100	N	10	M	150	2.0	M
1096A	67 30 59	150 46 29	8	M	20	N	40	N	M	N	M
1095B	67 30 19	150 54 48	9	<5	M	N	20	N	20	N	M
C-1 quadrangle--continued											
1111	67 43 54	150 28 8	1	15	N	N	5	M	70	M	M
1079	67 43 36	150 3 54	2	30	50	N	110	M	1,000	.5	M
1114	67 39 44	150 24 56	3	200	30	300	340	M	500	1.0	M
1117	67 39 41	150 15 46	4	30	10	<200	150	N	1,500	.5	M
1115	67 38 27	150 23 34	5	20	10	M	60	N	20	N	M
1115A	67 38 27	150 23 34	5	50	10	N	70	M	2,000	<.5	M
1115B	67 38 27	150 23 34	5	150	50	300	200	M	700	1.00	M
1086	67 37 36	150 6 58	6	30	10	N	50	M	1,500	2.0	M
1116A	67 36 48	150 21 30	7	15	30	M	65	N	1,000	.5	M
1121A	67 34 1	150 24 53	8	50	10	N	20	N	500	<.5	M
1121B	67 34 1	150 24 53	8	30	20	N	90	M	700	1.5	M
1140B	67 30 59	150 6 57	9	7	50	M	25	M	30	N	M
1140	67 30 59	150 6 57	9	150	1,000	M	10	M	20	5.0	M
B-6 quadrangle--continued											
1804	67 28 51	152 38 22	1	15	20	N	60	M	5,000	<.5	M
1220A	67 26 10	152 53 31	2	70	100	N	110	M	200	1.0	M
1227	67 24 28	152 43 25	3	15	70	N	20	M	300	N	M
1797	67 23 59	152 50 11	4	5	20	N	50	M	150	M	M
1800	67 23 47	152 44 23	5	30	15	M	10	M	70	M	M
1798	67 23 33	152 47 7	6	<5	20	N	45	M	200	.10	M
1225A	67 23 9	152 50 64	7	1,500	50	700	280	M	M	.10	M
1225B	67 23 9	152 50 64	7	70	100	200	160	M	500	.70	M
1225C	67 23 9	152 50 44	7	50	200	500	220	M	700	.25	M
1228	67 22 41	152 45 2	8	200	300	N	95	M	700	.20	M

TABLE 4.--Continued

Anomalous Pebble Samples, Wiseman Quadrangle, Brooks Range, Alaska--continued

Sample	As-ppm s	As-ppm aa	Sb-ppm s	Sb-ppm aa	Bi-ppm s	Bi-ppm aa	Hg-ppm inst	Sn-ppm s	U-ppm s	Pb-ppm s
C-1 Quadrangle--continued										
1740	N	10	<u>300</u>	<u>200</u>	N	N	--	N	N	N
C-2 Quadrangle--continued										
1101A	N	35	N	4	N	N	--	N	N	<u>10</u>
1101B	N	<u>100</u>	N	2	N	N	--	N	N	<u>7</u>
1101C	N	<u>50</u>	N	<u>10</u>	N	<u>1</u>	--	N	N	<u>15</u>
998	N	<u>5</u>	N	<u>N</u>	N	<u>N</u>	--	N	N	<u>N</u>
1122	N	5	N	<2	N	N	--	N	N	<u>10</u>
11220	N	25	N	3	N	N	--	N	N	<u>10</u>
1123A	N	5	N	N	N	N	--	N	N	<u>10</u>
1123B	N	10	N	N	N	N	--	N	N	<u>5</u>
1094A	N	35	N	N	N	N	--	N	N	<u>N</u>
1092	N	20	N	<2	N	N	--	N	N	<u>5</u>
1097u	N	15	N	5	<u>15</u>	<u>1</u>	--	N	N	<u>7</u>
1096A	N	15	N	N	<u>N</u>	<u>N</u>	--	N	N	<u>10</u>
1093B	N	15	N	N	N	N	--	N	N	<u>10</u>
C-1 Quadrangle--continued										
1111	N	35	N	N	<u>10</u>	N	--	N	N	<u>N</u>
1079	N	30	N	7	<u>N</u>	N	--	N	N	<u>30</u>
1114	N	15	N	5	N	N	--	N	N	<u>N</u>
1117	N	10	N	9	N	N	--	N	N	<u>20</u>
1115	N	10	N	N	N	N	--	N	N	<u>10</u>
1115A	N	<u>150</u>	N	7	N	N	--	N	N	<u>15</u>
1115B	N	<u>30</u>	N	<u>10</u>	N	N	--	N	N	<u>10</u>
1084	N	25	N	<u>6</u>	N	N	--	N	N	<u>20</u>
1116A	N	15	N	5	N	N	--	N	N	<u>15</u>
1121A	N	<u>50</u>	N	<u>20</u>	<u><10</u>	N	--	N	N	<u>70</u>
1121B	N	25	N	<u>11</u>	N	N	--	N	N	<u>30</u>
1140B	N	<u>50</u>	N	<u>N</u>	N	--	.02	N	N	<u>N</u>
1140	N	<u>10</u>	N	N	<u>10</u>	N	.02	N	N	<u>10</u>
B-6 Quadrangle--continued										
1804	N	10	N	<2	N	--	--	N	N	<u>N</u>
1220A	N	<u>100</u>	N	<u>47</u>	N	N	--	N	N	<u>N</u>
1227	N	<u><5</u>	N	<u>N</u>	N	N	--	<u>20</u>	N	<u>N</u>
1797	N	40	N	N	N	--	--	<u>10</u>	N	<u>N</u>
1800	N	<5	N	2	N	--	--	<u>20</u>	N	<u>N</u>
1798	N	38	N	3	N	--	--	<u>10</u>	N	<u>10</u>
1225A	N	40	N	4	N	<u>5</u>	--	<u>N</u>	N	<u>0</u>
1225B	N	15	N	2	N	<u>1</u>	--	N	N	<u>N</u>
1225C	N	35	N	2	N	<u>N</u>	--	N	N	<u>N</u>
1226	N	<5	N	<2	N	N	--	N	N	<u>N</u>

TABLE 4.--Continued

Anomalous Pebble Samples, Wiseman Quadrangle, Brooks Ranger, Alaska--continued

Sample	Latitude	Longitude	Map No.	Cu-ppm	Pb-ppm	Zn-ppm	Zn-ppm	Cd-ppm	Co-ppm	Ag-ppm	Au-ppm
B-4 Quadrangle--continued											
1796	67 22 4	152 53 23	9	<5	<10	N	25	N	M	100	M
1901	67 17 48	152 55 19	10	10	30	200	160	N	-30	M	M
1230	67 16 57	152 48 13	11	300	70	200	90	N	-10	500	M
1236	67 16 50	152 31 40	12	70	20	200	100	N	-10	300	M
1256A	67 16 50	152 31 40	12	30	20	M	65	N	.15	300	M
1896	67 15 32	152 58 36	13	10	10	N	55	N	-10	70	M
B-5 quadrangle--continued											
1918B	67 28 54	152 17 15	1	150	N	N	70	N	-10	20	M
876	67 27 38	152 6 20	2	7	200	N	80	M	-85	150	M
1916	67 26 31	152 16 12	3	5	<10	N	15	M	-10	70	M
1913	67 25 58	152 22 51	4	1,500	50	N	60	N	1.80	<20	M
879A	67 24 56	152 7 15	5	150	15	N	90	N	-10	200	M
1910	67 18 54	152 5 2	6	15	N	N	60	N	-10	100	M
B-4 quadrangle--continued											
1889	67 28 59	151 58 5	1	5	20	N	30	N	-10	100	M
1100	67 28 27	151 34 15	2	30	15	N	70	N	1.00	1,000	M
1102	67 26 50	151 56 10	3	>20,000	10	N	60	M	.35	50	M
1102A	67 26 50	151 56 10	3	>20,000	300	<200	110	N	-55	20	M
1879	67 26 41	151 54 40	4	30	N	N	120	N	.60	1,000	M
879A	67 26 41	151 54 40	4	20	30	N	55	N	-10	150	M
879B	67 26 41	151 54 40	4	<5	15	N	15	M	<.10	30	M
1265C	67 24 41	151 31 58	5	30	50	N	45	M	-05	2,000	M
1290C	67 22 56	151 58 47	6	1,000	150	300	200	M	1.20	300	M
1290D	67 22 56	151 58 47	6	2,000	300	<200	200	N	.70	200	M
1290E	67 22 56	151 58 47	6	2,000	300	700	800	N	3.60	300	M
1878	67 22 38	151 44 6	7	70	100	<200	160	N	.20	50	M
1877	67 22 24	151 43 50	8	20	20	N	90	N	-20	200	M
877A	67 22 26	151 43 50	8	70	50	M	130	M	-10	150	M
1103	67 21 57	151 55 18	9	500	10	N	80	N	-15	300	M
1103A	67 21 37	151 55 18	9	150	N	N	60	N	<.05	50	M
1103C	67 21 55	151 55 19	9	20	<20	N	5	M	-10	<50	M
1872	67 19 44	151 54 27	10	7	100	<200	120	N	.50	50	M
877A	67 19 30	151 54 16	11	200	>20,000	>10,000	25,000	500	380.00	100	M
1874	67 19 27	151 60 26	12	30	50	M	75	N	.30	200	M

TABLE 4.--Continued

Anomalous Pebble Samples, Wiseman Quadrangle, Brooks Range, Alaska--continued

Sample	As-ppm	As-ppm	Sb-ppm	Sb-ppm	Bi-ppm	Bi-ppm	Ky-ppm	Sn-ppm	W-ppm	Mo-ppm
1796	N	N	N	N	N	N	--	<10	N	N
1901	A	A	50	N	N	N	--	N	N	N
1230	A	A	5	N	N	N	--	N	N	N
1256	A	A	10	N	N	N	--	N	N	N
1256A	A	A	N	N	N	N	--	N	N	N
1896	A	A	50	N	N	N	--	N	N	N
B-4 Quadrangle--continued										
1796	A	N	75	N	8	N	--	--	N	N
1916	A	N	50	N	2	N	--	<1	N	N
1913	A	N	60	100	85	N	--	N	N	N
879A	A	N	10	N	2	N	--	<1	N	N
1910	N	N	50	N	N	N	--	--	N	N
B-4 Quadrangle--continued										
1889	N	N	60	N	N	N	--	--	N	N
1106	N	N	35	N	2	N	--	--	N	N
1102	N	N	25	N	1	N	--	--	N	N
1102A	A	N	150	N	12	10	--	1	20	N
1819	N	N	50	N	2	N	--	--	N	N
879A	A	N	55	N	N	N	--	--	N	N
879B	N	N	65	N	N	N	--	--	N	N
1265C	A	N	25	N	N	N	--	--	N	N
1290C	A	A	30	N	<2	<10	--	1	N	N
1290B	A	A	10	N	7	10	--	5	N	N
1290E	A	A	10	N	2	15	--	5	N	N
1878	A	A	45	N	N	N	--	--	N	N
1877	A	A	50	N	N	N	--	--	N	N
877A	A	A	55	N	N	N	--	--	N	N
1103A	N	N	<5	N	N	N	--	--	N	N
1103C	A	N	>400	N	25	N	--	15	N	N
1872	A	A	45	N	N	N	--	--	N	N
871A	A	A	40	200	200	N	--	--	N	N
1874	A	A	50	N	5	N	--	--	N	N

TABLE 4.--Continued

Anomalous Pebble Samples, Wiseman Quadrangle, Brooks Range, Alaska--continued

Sample	Latitude	Longitude	Map No.	Cu-ppm	Pb-ppm	Zn-ppm	Zn-ppm	Cd-ppm	Co-ppm	Bi-ppm	Ag-ppm	Au-ppm
B-4 Quadrangle--continued												
1869	67 19 4	151 51 30	13	30	50	N	75	N	.70	30	.5	--
1012	67 17 25	151 39 4	14	50	20	200	120	N	.30	700	N	N
1008	67 15 24	151 36 6	15	50	200	200	110	N	.20	1,000	<.5	N
B-3 Quadrangle--continued												
1750A	67 24 23	151 19 33	1	120	10	N	90	N	<.10	500	N	N
1687B	67 22 2	151 6 55	2	150	15	<200	70	N	.10	200	N	N
1684	67 21 46	151 1 51	3	30	20	N	50	N	.10	700	N	N
1282	67 21 41	151 12 33	4	50	N	200	100	N	.10	50	N	N
1711	67 21 25	151 19 46	5	200	N	N	75	N	.10	50	N	N
1711A	67 21 25	151 19 46	5	150	10	N	60	N	.20	70	N	N
1712	67 21 23	151 20 28	6	200	10	200	30	N	.20	300	N	N
1712A	67 21 23	151 20 28	6	200	N	N	20	N	.10	300	N	N
1704	67 19 2	151 14 24	7	150	N	N	60	N	.10	N	N	N
1700	67 18 16	151 1 39	8	100	10	200	30	N	.20	300	N	N
1099	67 18 8	151 14 29	9	7,000	70	200	60	N	2.10	100	5.0	.15
1099A	67 18 8	151 14 29	9	3,000	20	200	65	N	1.20	100	3.0	.30
1099B	67 18 8	151 14 29	9	3,000	150	300	25	N	1.70	50	15.0	.95
1275	67 17 29	151 15 22	10	70	N	200	20	N	.05	N	N	N
1695	67 17 28	151 11 1	11	150	20	N	10	N	.20	150	N	N
1701A	67 17 19	151 1 1	12	300	N	N	30	N	.50	N	N	N
1625	67 15 47	151 27 20	13	50	30	N	10	N	.20	300	N	N
B-2 Quadrangle--continued												
1150F	67 29 45	150 52 2	1	20	N	N	20	N	<.10	50	N	.55
1262A	67 25 4	150 38 31	2	30	50	N	80	N	.30	200	N	N
1678	67 24 26	150 59 7	3	150	<10	<200	50	N	.10	1,000	N	N
1247	67 24 10	150 55 53	4	300	N	N	40	N	.20	N	N	N
1242	67 23 52	150 55 56	5	50	10	200	70	N	.05	300	N	N
1259A	67 22 43	150 38 42	6	30	50	<200	95	N	.05	300	N	N
1679	67 21 46	150 56 37	7	150	<10	N	35	N	<.10	300	N	N
1251	67 19 40	150 38 8	8	50	20	<200	60	N	.05	1,000	N	N
155B	67 17 41	150 35 52	9	200	10	N	110	N	.20	70	N	N
1252	67 17 22	150 36 33	10	150	100	<200	110	N	.30	300	N	N
1255	67 15 28	150 45 5	11	15	10	200	160	N	.30	300	N	--
1556	67 15 8	150 54 18	12	30	100	N	35	N	.20	300	N	N
B-1 Quadrangle--continued												
1944C	67 29 22	150 5 47	1	100	150	N	N	N	N	N	3.0	<.05
1944B	67 29 22	150 5 47	1	10	N	N	170	N	.10	200	N	N
1944E	67 29 22	150 5 47	1	100	50	N	N	N	N	70	N	N
1944F	67 29 22	150 5 47	1	200	200	N	N	N	N	<50	2.0	N
1944G	67 29 22	150 5 47	1	10	70	N	N	N	.10	50	<1.0	2.20

TABLE 4.--Continued

Amalgam Pebble Samples, Wisconsin Quadrangle, Brooks Range, Alaska--continued

Sample	As-dpm	As-dpm	As-dpm	50-ppm	50-ppm	50-ppm	81-ppm	81-ppm	5n-dpm	Hg-dpm	Mo-dpm
1869	N	50	N	N	N	N	N	N	N	N	N
1012	N	5	N	N	N	N	N	N	N	N	N
1008	N	5	N	N	N	N	N	N	N	N	N
B-2 Quadrangle--continued											
1756A	N	50	N	N	N	N	N	N	N	N	N
1687B	N	30	N	N	N	N	N	N	N	N	N
1684	N	190	N	N	N	N	N	N	N	N	N
1282	N	35	N	N	N	N	N	N	N	N	N
1711	N	5	N	N	N	N	N	N	N	N	N
1711A	N	10	N	N	N	N	N	N	N	N	N
1712	N	5	N	N	N	N	N	N	N	N	N
1712A	N	10	N	N	N	N	N	N	N	N	N
1706	N	10	N	N	N	N	N	N	N	N	N
1700	N	1	N	N	N	N	N	N	N	N	N
109V	N	1,500	1,500	N	45	15	30	N	N	N	N
1099A	N	2,500	1,500	N	11	1A	30	N	N	N	N
1099B	N	700	700	N	18	2A	2A	N	N	N	N
1275	N	5,000	5,000	N	N	N	N	N	N	N	N
1695	N	20	N	N	N	N	N	N	N	N	N
1701A	N	10	N	N	N	N	N	N	N	N	N
1625	N	55	N	N	5	N	N	N	N	N	N
U-2 Quadrangle--continued											
1130F	N	80	N	500	--	N	N	N	N	1.04	N
1262A	N	5	N	N	N	N	N	N	N	N	N
1678	N	15	N	N	N	N	N	N	N	N	N
1261	N	N	N	N	N	N	N	N	N	N	N
1262	N	5	N	N	N	N	N	N	N	N	N
1259A	N	5	N	N	N	N	N	N	N	N	10
1679	N	20	N	N	N	N	N	N	N	N	10
1251	N	N	N	N	2	N	N	N	N	N	10
1558	N	10	N	N	N	N	N	N	N	N	N
1252	N	5	N	N	N	N	N	N	N	N	N
1255	N	10	N	N	5	N	N	N	N	N	N
1556	N	15	N	N	N	N	N	N	N	N	N
B-1 Quadrangle--continued											
1944C	1,000	>200	>200	1,500	400	N	N	N	N	N	N
1946D	N	50	N	N	2	N	N	N	N	N	N
1946E	N	100	N	N	3	N	N	N	N	N	N
1946F	N	>200	>200	5,000	400	N	N	N	N	N	N
1946G	200	200	5,000	N	18	N	N	N	N	N	N
1946H	1,500	400	400	N	2	N	N	N	N	N	N
1946I	1,500	400	400	N	2	N	N	N	N	N	N
1946J	1,500	400	400	N	2	N	N	N	N	N	N
1946K	1,500	400	400	N	2	N	N	N	N	N	N
1946L	1,500	400	400	N	2	N	N	N	N	N	N
1946M	1,500	400	400	N	2	N	N	N	N	N	N
1946N	1,500	400	400	N	2	N	N	N	N	N	N
1946O	1,500	400	400	N	2	N	N	N	N	N	N
1946P	1,500	400	400	N	2	N	N	N	N	N	N
1946Q	1,500	400	400	N	2	N	N	N	N	N	N
1946R	1,500	400	400	N	2	N	N	N	N	N	N
1946S	1,500	400	400	N	2	N	N	N	N	N	N
1946T	1,500	400	400	N	2	N	N	N	N	N	N
1946U	1,500	400	400	N	2	N	N	N	N	N	N
1946V	1,500	400	400	N	2	N	N	N	N	N	N
1946W	1,500	400	400	N	2	N	N	N	N	N	N
1946X	1,500	400	400	N	2	N	N	N	N	N	N
1946Y	1,500	400	400	N	2	N	N	N	N	N	N
1946Z	1,500	400	400	N	2	N	N	N	N	N	N

TABLE 4.--Continued

Anomalous Pebble Samplers, Wiseman Quadrangle, Brooks Range, Alaska--continued

Sample	Latitude	Longitude	Map No.	Cu-ppm	Pb-ppm	Zn-ppm	In-ppm	Cd-ppm	Cd-ppm	Ba-ppm	Ay-ppm	Au-ppm
8-1 Quadrangle--continued												
1946H	67 29 22	150 3 47	1	300	N	N	N	N	N	<50	5.0	M
1996	67 29 11	150 13 41	2	10	30	N	55	N	N	<20	N	--
1737	67 28 22	150 12 49	3	150	150	N	5	N	N	300	N	N
1737A	67 28 22	150 12 49	3	30	N	N	25	N	N	300	N	N
1737B	67 28 22	150 12 49	3	100	150	N	N	N	N	<50	1.0	<.10
1746	67 27 29	150 1 16	4	100	100	N	40	N	N	20	12.0	N
1729	67 23 9	150 29 1	5	150	15	<200	110	N	N	200	N	N
1506A	67 19 16	150 12 15	6	150	N	N	70	N	N	700	N	N
1734	67 17 53	150 28 34	7	150	N	N	35	N	N	50	N	N
1735	67 16 58	150 18 14	8	10	200	200	170	N	N	300	N	N
A-6 Quadrangle--continued												
1579	67 16 21	152 43 11	1	150	N	N	45	N	N	50	N	N
1580B	67 11 46	152 42 6	2	150	20	N	30	N	N	300	N	<.05
A-5 Quadrangle--continued												
1605	67 13 10	152 7 12	1	50	N	300	180	N	N	200	N	N
1567	67 10 53	152 29 11	2	150	10	200	120	N	N	3,000	3.0	N
1617	67 4 38	152 24 22	3	200	N	N	75	N	N	300	N	N
A-4 Quadrangle--continued												
1602	67 13 25	151 58 50	1	20	N	N	30	N	N	500	2.0	N
1622	67 13 9	151 41 33	2	150	20	<200	100	N	N	700	N	N
1895	67 13 4	151 30 42	3	15	<10	<200	110	N	N	100	N	--
A-1 Quadrangle--continued												
1788	67 12 7	150 29 53	1	70	100	N	50	N	N	70	<.5	--
1526A	67 11 49	150 10 52	2	10	N	N	30	N	N	5,000	N	--

TABLE 4.--Continued

Anomalous Pebble Samples, Wiseman Quadrangle, Brooks Range, Alaska--continued

Sample	As-ppm	Sb-ppm	Bi-ppm	Bi-ppm	Hg-ppm	Sn-ppm	W-ppm	Mo-ppm
1964N	2,000	>600	500	80	.60	N	N	N
199C	Y	5	N	N	1.70	N	N	N
1737	Y	N	>10,000	N	.15	N	N	N
1737A	Y	45	5,000	N	.10	N	N	N
1737B	Y	70	>20,000	N	2.20	N	N	N
1766	N	50	5	N	--	N	>50	15
1769	Y	20	2	N	--	N	4	N
1506A	Y	15	N	N	--	N	N	N
1756	N	10	9	N	--	N	N	N
1755	Y	5	<2	N	--	N	N	N
1580B	Y	15	N	N	--	N	N	5
1579	Y	15	N	N	--	N	N	5
A-6 Quadrangle--continued								
1605	Y	20	N	N	--	N	N	20
1567	Y	10	N	N	--	N	N	5
1617	Y	15	N	N	--	N	N	N
A-5 Quadrangle--continued								
1602	Y	15	N	N	--	N	N	N
1622	Y	20	N	N	--	N	N	N
1895	Y	50	N	N	--	N	N	N
A-4 Quadrangle--continued								
1788	Y	10	<2	N	--	N	N	N
1526A	Y	5	<2	N	--	N	N	N